

ESSO

Mobil

Product Summary





Foreword

This Product Summary guide describes the Esso and Mobil Industrial, Commercial vehicle, Passenger vehicle, Marine and Aviation lubricants offered by ExxonMobil.

Each branded product or series has a brief description of its key features, typical applications, major OEM and EB approvals and some general data on important physical characteristics.

The guide aims to provide a better understanding of the Esso and Mobil products for the Automotive, Aviation, Marine and Industrial sectors to help select the most appropriate lubricant.

Esso and Mobil products are

- carefully formulated to meet today's demanding applications
- rigorously tested and approved to meet many major OEM and EB requirements
- manufactured to high standards and global consistency through the ExxonMobil Quality Integrity Management System.
- widely available through local ExxonMobil lubricants distributors

For additional information regarding these products, please refer to specific Product Data Sheets and Material Safety Data Sheets.

These may be obtained at www.exxonmobil.com or by calling your local ExxonMobil representative or distributor.

For more detailed technical information on these products, please contact the Mobil Technical Helpdesk at +420 221 456 426 or via TechDeskEurope@exxonmobil.com

Due to continued product research and development, the information contained in this guide is subject to change without notification.

The data is intended to be a guide only, and are not manufacturing specifications.

Not all products are available in all markets.

The data was last updated on 31 December 2008.



Mobil

ExxonMobil

Lubricants & Specialties

Contents

Automotive Lubricants

| | |
|-------------------------------|----|
| Passenger Vehicle Engine Oils | 01 |
| Commercial Engine Oils | 07 |
| Automatic Transmission Fluids | 13 |
| Automotive Gear Oils | 14 |
| Agricultural Oils | 20 |
| Motorcycle Oils | 21 |

Industrial Lubricants

| | |
|--|----|
| Turbine and Circulation Oils | 22 |
| Slideway and Spindle Oils | 31 |
| Hydraulic Oils | 33 |
| Cylinder Oils | 39 |
| Industrial Gear Oils | 40 |
| Refrigeration Oils | 45 |
| Compressor Oils | 48 |
| Air Tool Oils | 50 |
| Electrical Insulating Oils | 51 |
| Gas Engine Oils | 52 |
| Heat Transfer Oils | 54 |
| Cutting Fluids – Water Miscible | 55 |
| Cutting Fluids – Neat | 56 |
| Rust Preventives | 58 |
| Lubricants for the Food Industry - Oils | 59 |
| Lubricants for the Food Industry - Greases | 61 |
| Textile Machine Oils | 62 |
| Paper Machine Circulation Oils | 63 |
| Paper Machine Greases | 64 |
| Open Gear Lubrication (Grease) | 65 |
| Greases | 66 |
| Specialty Products | 71 |

Marine Lubricants

| | |
|----------------------------|----|
| Marine Engine Oils | 72 |
| Marine Cylinder Oils | 76 |
| Mobil Stern Tube Lubricant | 77 |

Aviation Lubricants

| | |
|------------------|----|
| Jet Engine Oils | 78 |
| Hydraulic Oils | 79 |
| Aviation Greases | 80 |

Useful Information

ISO Viscosity Classification System



| |
|--|
| Passenger Vehicle Engine Oils |
| Commercial Engine Oils |
| Automatic Transmission Fluids |
| Automotive Gear Oils |
| Agricultural Oils |
| Motorcycle Oils |
| Turbine and Circulation Oils |
| Slideway and Spindle Oils |
| Hydraulic Oils |
| Cylinder Oils |
| Industrial Gear Oils |
| Refrigeration Oils |
| Compressor Oils |
| Air Tool Oils |
| Electrical Insulating Oils |
| Gas Engine Oils |
| Heat Transfer Oils |
| Cutting Fluids Water Miscible |
| Cutting Fluids Neat |
| Rust Preventives |
| Lubricants for Food Industry - Oils |
| Food Industry - Greases |
| Lubricants for the Food Industry - Greases |
| Textile Machine Oils |
| Paper Machine Circulation Oils |
| Open Gear Lubrication (Grease) |
| Greases |
| Specialty Products |
| Marine Lubricants |
| Aviation Lubricants |
| Useful Information |

Product Index

| | | | | | | | |
|--------------------------------|----|-------------------------------------|----|----------------------------|----|--------------------------------------|----|
| Gargoyle Arctic C Heavy | 45 | Mobil ATF 320 | 13 | Mobil DTE 18M | 36 | Mobil EAL Arctic 46 | 45 |
| Gargoyle Arctic Oil 155 | 45 | Mobil ATF SHC | 13 | Mobil DTE 19M | 37 | Mobil EAL Arctic 68 | 45 |
| Gargoyle Arctic Oil 300 | 45 | Mobil Aviation Grease SHC 100 | 80 | Mobil DTE 21 | 35 | Mobil EAL Arctic 100 | 46 |
| Gargoyle Arctic SHC 224 | 45 | Mobil Delvac 1240 | 12 | Mobil DTE 22 | 35 | Mobil EAL Arctic 220 | 46 |
| Gargoyle Arctic SHC 226E | 45 | Mobil Delvac 1320 | 11 | Mobil DTE 24 | 35 | Mobil EAL Arctic 22CC | 46 |
| Gargoyle Arctic SHC 228 | 45 | Mobil Delvac 1330 | 12 | Mobil DTE 25 | 35 | Mobil EAL Hydraulic Oil 32 | 33 |
| Gargoyle Arctic SHC 230 | 45 | Mobil Delvac 1340 | 12 | Mobil DTE 26 | 36 | Mobil EAL Hydraulic Oil 46 | 45 |
| Gargoyle Arctic SHC NH 68 | 45 | Mobil Delvac 1350 | 12 | Mobil DTE 27 | 36 | Mobil Extra Hecla Super Cylinder Oil | 33 |
| Gearlube VS 200 | 17 | Mobil Delvac 1630 | 11 | Mobil DTE 732 | 24 | Mobil FM 100 Spray | 59 |
| Gearlube VS 500 | 18 | Mobil Delvac 1640 | 11 | Mobil DTE 746 | 25 | Mobil Formula S 10W-40 | 05 |
| Gearlube VS 600 | 18 | Mobil Delvac Hydraulic 10W | 11 | Mobil DTE 832 | 23 | Mobil Glygoyle Grease 00 | 66 |
| Hyjet IVA-Plus | 79 | Mobil Delvac 1 5W-40 | 08 | Mobil DTE 846 | 23 | Mobil Glygoyle 11 | 43 |
| Kutwell 42 | 55 | Mobil Delvac 1 SHC 5W-40 | 08 | Mobil DTE Excel 32 | 36 | Mobil Glygoyle 22 | 43 |
| Mobil 1 0W-40 | 01 | Mobil Delvac 1 ESP 5W-40 | 07 | Mobil DTE Excel 46 | 36 | Mobil Glygoyle 30 | 44 |
| Mobil 1 5W-40 | 02 | Mobil Delvac 1 LE 5W-30 | 07 | Mobil DTE Excel 68 | 36 | Mobil Glygoyle 220 | 44 |
| Mobil 1 5W-50 | 02 | Mobil Delvac Gear Oil A 80W-90 | 14 | Mobil DTE Excel 100 | 36 | Mobil Glygoyle 320 | 44 |
| Mobil 1 Arctic 0W-40 | 01 | Mobil Delvac MX 15W-40 | 11 | Mobil DTE Excel 150 | 36 | Mobil Glygoyle 460 | 44 |
| Mobil 1 ESP Formula 5W-30 | 02 | Mobil Delvac MX ESP 15W-40 | 10 | Mobil DTE FM 32 | 58 | Mobil Glygoyle 680 | 44 |
| Mobil 1 Extended Life 10W-60 | 02 | Mobil Delvac MX Extra 10W-40 | 09 | Mobil DTE FM 46 | 58 | Mobil Jet Oil 254 | 78 |
| Mobil 1 Fuel Economy 0W-30 | 03 | Mobil Delvac Super 1400 10W-30 | 11 | Mobil DTE FM 68 | 58 | Mobil Jet Oil II | 78 |
| Mobil 1 New Life 0W-40 | 01 | Mobil Delvac Super 1400 15W-40 | 11 | Mobil DTE FM 100 | 58 | Mobil Multigrade 10W-40 | 06 |
| Mobil 1 Peak Life 5W-50 | 01 | Mobil Delvac Synthetic ATF | 13 | Mobil DTE FM 150 | 58 | Mobil Multigrade 15W-40 | 06 |
| Mobil 1 Racing 2T | 21 | Mobil Delvac Synthetic Gear Oil | | Mobil DTE FM 220 | 58 | Mobil Multigrade Diesel 15W-40 | 06 |
| Mobil 1 Turbo Diesel 0W-40 | 03 | 75W-90 | 14 | Mobil DTE FM 320 | 58 | Mobil Paper Machine Oil S 220 | 63 |
| Mobil 1 Turbo Diesel 5W-40 | 03 | Mobil Delvac Synthetic Gear Oil SHC | | Mobil DTE FM 460 | 58 | Mobil Pegasus 1 | 52 |
| Mobil 600 W Super Cylinder Oil | 39 | 75W-140 | 15 | Mobil DTE FM 680 | 59 | Mobil Pegasus 605 | 52 |
| Mobil Aero HF | 79 | Mobil Delvac XHP 10W-40 | 10 | Mobil DTE Oil heavy medium | 26 | Mobil Pegasus 705 30 | 52 |
| Mobil Aero HFA | 79 | Mobil Delvac XHP Extra 10W-40 | 09 | Mobil DTE Oil light | 25 | Mobil Pegasus 710 | 52 |
| Mobil Agri Extra 10W-40 | 19 | Mobil Delvac XHP LE 10W-40 | 09 | Mobil DTE Oil medium | 25 | Mobil Pegasus 801 | 52 |
| Mobil Agri Super 15W-40 | 19 | Mobil Delvac XHP Ultra 5W-30 | 08 | Mobil DTE PM 150 | 62 | Mobil Pegasus 801 30 | 52 |
| Mobil Almo 525 | 50 | Mobil DTE 11M | 36 | Mobil DTE PM 220 | 62 | Mobil Pegasus 805 | 52 |
| Mobil Almo 527 | 50 | Mobil DTE 13M | 36 | Mobil EAL Arctic 15 | 45 | Mobil Pegasus 1005 | 52 |
| Mobil Almo 529 | 50 | Mobil DTE 15M | 36 | Mobil EAL Arctic 22 | 45 | Mobil Polyrex EM | 66 |
| Mobil ATF 220 | 13 | Mobil DTE 16M | 36 | Mobil EAL Arctic 32 | 45 | Mobil Polyrex EM 103 | 66 |



| |
|--|
| Passenger Vehicle Engine Oils |
| Commercial Engine Oils |
| Automatic Transmission Fluids |
| Automotive Gear Oils |
| Agricultural Oils |
| Motorcycle Oils |
| Turbine and Circulation Oils |
| Slideway and Spindle Oils |
| Hydraulic Oils |
| Cylinder Oils |
| Industrial Gear Oils |
| Refrigeration Oils |
| Compressor Oils |
| Air Tool Oils |
| Electrical Insulating Oils |
| Gas Engine Oils |
| Heat Transfer Oils |
| Cutting Fluids Water Miscible |
| Cutting Fluids Neat |
| Rust Preventives |
| Lubricants for Food Industry - Oils |
| Food Industry - Greases |
| Lubricants for the Food Industry - Greases |
| Textile Machine Oils |
| Paper Machine Circulation Oils |
| Open Gear Lubrication (Grease) |
| Greases |
| Specialty Products |
| Marine Lubricants |
| Aviation Lubricants |
| Useful Information |

Product Index

| | | | | | | | |
|----------------------------|----|-----------------------------------|----|--------------------------|----|-----------------------|----|
| Mobil Pyrotec HFD 46 | 34 | Mobil Super 1000 X1 10W-40 | 04 | Mobil Velocite Oil No 10 | 31 | Mobilgard M50 | 73 |
| Mobil Rarus 424 | 48 | Mobil Super 1000 X1 15W-40 | 04 | Mobil Velocite Oil No 3 | 31 | Mobilgard M330 | 73 |
| Mobil Rarus 425 | 48 | Mobil Super 2000 X1 10W-40 | 04 | Mobil Velocite Oil No 4 | 31 | Mobilgard M340 | 73 |
| Mobil Rarus 426 | 48 | Mobil Super 2T | 21 | Mobil Velocite Oil No 6 | 31 | Mobilgard M430 | 73 |
| Mobil Rarus 427 | 49 | Mobil Super 3000 X1 5W-40 | 04 | Mobil Zerice S 32 | 47 | Mobilgard M440 | 73 |
| Mobil Rarus 429 | 49 | Mobil Super FE special 5W-30 | 05 | Mobil Zerice S 46 | 47 | Mobilgear 600 XP 68 | 40 |
| Mobil Rarus 827 | 48 | Mobil Super M 10W-40 | 05 | Mobil Zerice S 68 | 47 | Mobilgear 600 XP 100 | 40 |
| Mobil Rarus 829 | 48 | Mobil Super M 15W-40 | 05 | Mobil Zerice S 100 | 47 | Mobilgear 600 XP 150 | 40 |
| Mobil Rarus SHC 1024 | 48 | Mobil Super M 20W-50 | 05 | Mobilarma 524 | 58 | Mobilgear 600 XP 220 | 40 |
| Mobil Rarus SHC 1025 | 48 | Mobil Super M Diesel 15W-40 | 06 | Mobilarma 778 | 58 | Mobilgear 600 XP 320 | 40 |
| Mobil Rarus SHC 1026 | 48 | Mobil Super S 10W-40 | 05 | Mobilarma LT | 58 | Mobilgear 600 XP 460 | 41 |
| Mobil SHC 522 | 34 | Mobil Super S Turbo Diesel 10W-40 | 06 | Mobilarma MT | 58 | Mobilgear 600 XP 680 | 41 |
| Mobil SHC 524 | 34 | Mobil Synt S 5W-40 | 04 | Mobilarma ST | 58 | Mobilgear OGL 007 | 65 |
| Mobil SHC 525 | 35 | Mobil Syst S 5W-40 | 05 | Mobilcut 122 | 55 | Mobilgear OGL 009 | 65 |
| Mobil SHC 526 | 35 | Mobil Syst S Special V 5W-30 | 06 | Mobilcut 222 | 55 | Mobilgear OGL 461 | 65 |
| Mobil SHC 624 | 29 | Mobil Turbo 319-A2 | 78 | Mobilcut 232 | 55 | Mobilgear SHC 22M | 43 |
| Mobil SHC 626 | 29 | Mobil Vacmul EDM3 | 57 | Mobilcut 242 | 55 | Mobilgear SHC 46M | 43 |
| Mobil SHC 629 | 29 | Mobil Vactra Oil No 1 | 31 | Mobilcut 321 | 55 | Mobilgear SHC 3200 | 43 |
| Mobil SHC 630 | 29 | Mobil Vactra Oil No 2 | 31 | Mobilect 39 | 51 | Mobilgear SHC 6800 | 43 |
| Mobil SHC 632 | 29 | Mobil Vactra Oil No 3 | 31 | Mobilect 44 | 51 | Mobilgear SHC XMP 150 | 42 |
| Mobil SHC 634 | 29 | Mobil Vactra Oil No 4 | 32 | Mobilfluid 422 | 19 | Mobilgear SHC XMP 220 | 42 |
| Mobil SHC 639 | 30 | Mobil Vacuoline 128 | 27 | Mobilfluid 424 | 20 | Mobilgear SHC XMP 320 | 42 |
| Mobil SHC 824 | 26 | Mobil Vacuoline 133 | 27 | Mobilfluid 426 | 20 | Mobilgear SHC XMP 460 | 42 |
| Mobil SHC 825 | 26 | Mobil Vacuoline 137 | 27 | Mobilgard 1 SHC | 75 | Mobilgear SHC XMP 680 | 42 |
| Mobil SHC FM 46 | 60 | Mobil Vacuoline 146 | 27 | Mobilgard 300 | 74 | Mobilgear XMP 100 | 41 |
| Mobil SHC Grease EAL 102 | 68 | Mobil Vacuoline 148 | 28 | Mobilgard 312 | 72 | Mobilgear XMP 150 | 41 |
| Mobil SHC Grease 460 WT | 69 | Mobil Vacuoline 525 | 28 | Mobilgard 412 | 72 | Mobilgear XMP 220 | 41 |
| Mobil SHC PM 150 | 63 | Mobil Vacuoline 528 | 28 | Mobilgard 450 NC | 75 | Mobilgear XMP 320 | 41 |
| Mobil SHC PM 220 | 63 | Mobil Vacuoline 533 | 28 | Mobilgard 512 | 72 | Mobilgear XMP 460 | 42 |
| Mobil SHC PM 320 | 63 | Mobil Vacuoline 537 | 28 | Mobilgard 570 | 76 | Mobilgrease 28 | 80 |
| Mobil SHC PM 460 | 63 | Mobil Vacuoline 546 | 28 | Mobilgard ADL 30 | 72 | Mobilgrease 33 | 80 |
| Mobil SHC Polyrex 462 | 66 | Mobil Velocite HP 24 | 61 | Mobilgard ADL 40 | 72 | Mobilgrease FM 221 | 61 |
| Mobil Siltac Eal 68 | 71 | Mobil Velocite HP 32 | 61 | Mobilgard HSD | 74 | Mobilgrease FM 222 | 61 |
| Mobil Stern Tube Lubricant | 77 | Mobil Velocite HP 46 | 61 | Mobilgard L540 | 76 | Mobilgrease Special | 68 |



| |
|---|
| Passenger Vehicle Engine Oils |
| Commercial Engine Oils |
| Automatic Transmission Fluids |
| Automotive Gear Oils |
| Agricultural Oils |
| Motorcycle Oils |
| Turbine and Circulation Oils |
| Slideway and Spindle Oils |
| Hydraulic Oils |
| Cylinder Oils |
| Industrial Gear Oils |
| Refrigeration Oils |
| Compressor Oils |
| Air Tool Oils |
| Electrical Insulating Oils |
| Gas Engine Oils |
| Heat Transfer Oils |
| Cutting Fluids Water Miscible |
| Cutting Fluids Neat |
| Rust Preventives |
| Lubricants for Food Industry - Oils |
| Food Industry - Greases |
| Lubricants for the Food Industry. Greases |
| Textile Machine Oils |
| Paper Machine Circulation Oils |
| Open Gear Lubrication (Grease) |
| Greases Specialty Products |
| Marine Lubricants |
| Aviation Lubricants |
| Useful Information |

Product Index

| | | | | | | | |
|---------------------------|----|---------------------------|----|---------------------------|----|-----------------|----|
| Mobilgrease XHP 103 | 67 | Mobilnac 375 NC | 43 | Mobilube HD-A 85W-90 | 16 | Terrestic T 68 | 22 |
| Mobilgrease XHP 221 | 67 | Mobiltemp 1 | 68 | Mobilube HD-A Plus 80W-90 | 16 | Terrestic T 100 | 23 |
| Mobilgrease XHP 222 | 67 | Mobiltemp 78 | 68 | Mobilube HD-N 80W-140 | 17 | Unirex EP 2 | 66 |
| Mobilgrease XHP 461 | 67 | Mobiltemp SHC 32 | 69 | Mobilube LS 85W-90 | 17 | Unirex N 2 | 66 |
| Mobilith SHC 007 | 69 | Mobiltemp SHC 100 | 69 | Mobilube PTX 75W-90 | 17 | Unirex N 3 | 66 |
| Mobilith SHC 100 | 69 | Mobiltemp SHC 460 Special | 69 | Mobilube S 80W-90 | 15 | Univis HVI 13 | 33 |
| Mobilith SHC 220 | 69 | Mobiltherm 32 | 54 | Mobilube Syn LS 75W-90 | 17 | Univis HVI 26 | 34 |
| Mobilith SHC 460 | 69 | Mobiltherm 594 | 54 | Mobilube XHP 75W-80 | 15 | Univis N 32 | 33 |
| Mobilith SHC 1000 Special | 70 | Mobiltherm 603 | 54 | Mobilux EP 0 | 67 | Univis N 46 | 33 |
| Mobilith SHC 1500 | 69 | Mobiltherm 605 | 54 | Mobilux EP 004 | 67 | Univis N 68 | 33 |
| Mobilith SHC PM 220 | 64 | Mobiltherm 610 | 54 | Mobilux EP 023 | 67 | Vacmul O3C | 57 |
| Mobilith SHC PM 460 | 64 | Mobiltherm 611 | 54 | Mobilux EP 1 | 68 | | |
| Mobilmet 422 | 56 | Mobiltherm FM 32 | 60 | Mobilux EP 2 | 68 | | |
| Mobilmet 423 | 56 | Mobiltrans HD 10W | 14 | Mobilux EP 3 | 68 | | |
| Mobilmet 424 | 56 | Mobiltrans HD 30 | 14 | Nuto H 32 | 33 | | |
| Mobilmet 426 | 56 | Mobiltrans HD 50 | 14 | Nuto H 46 | 33 | | |
| Mobilmet 427 | 56 | Mobiltrans MBT 75W-90 | 15 | Nuto H 68 | 33 | | |
| Mobilmet 443 | 56 | Mobiltrans SHC V 30 | 15 | Nuto H 150 | 33 | | |
| Mobilmet 446 | 56 | Mobilube 1 SHC 75W-90 | 14 | Pegasus 610 | 52 | | |
| Mobilmet 447 | 56 | Mobilube GX 80W-90 | 16 | Pegasus 705 | 52 | | |
| Mobilmet 762 | 57 | Mobilube GX-A 80W | 16 | Quintolubric 888-68 | 38 | | |
| Mobilmet 763 | 57 | Mobilube HD 75W-90 | 16 | Terrestic EP 46 | 23 | | |
| Mobilsol PM | 71 | Mobilube HD 80W-90 | 16 | Terrestic T 32 | 22 | | |
| Mobilnac 325 NC | 43 | Mobilube HD 85W-140 | 17 | Terrestic T 46 | 22 | | |

Automotive Lubricants

| | |
|-------------------------------|----|
| Passenger Vehicle Engine Oils | 01 |
| Commercial Engine Oils | 07 |
| Automatic Transmission Fluids | 13 |
| Automotive Gear Oils | 14 |
| Agricultural Oils | 20 |
| Motorcycle Oils | 21 |





Passenger Vehicle Engine Oils



| Brand name | SAE Grade | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | Density at 15°C <i>g/cm³</i> | Flash Point °C | Specifications | | |
|--------------------------------|---|---|-------|-----------------|--|----------------|---|--------------------------------------|---------------------|
| | | 40°C | 100°C | | | | Approved | Meets | Quality Level |
| MOBIL 1 NEW LIFE 0W-40 | 0W-40 | 78,3 | 14 | 186 | 0,85 | 230 | MB 229.5, MB 229.3 VW 502 00, VW 505 00 BMW Longlife LL-01 Porsche Special Oil List GM LL-A-025 GM LL-B-025 | API SM/SL/SJ/CF ACEA A3/B3, A3/B4 | Recommended by Saab |
| | <p><i>Ultimate Performance Synthetic Engine Oil with SuperSyn anti-wear technology. Engineered for the latest engine technology, it is the ideal product for newer vehicles or older vehicles in good condition, delivering our best all-round performance. Recommended for virtually all types of modern vehicles for ultimate protection and performance in even the most demanding driving conditions.</i></p> | | | | | | | | |
| MOBIL 1 0W-40 | 0W-40 | 78,3 | 14 | 186 | 0,85 | 230 | MB 229.5, MB 229.3 VW 502 00, VW 505 00 BMW Longlife LL-01 Porsche Special Oil List GM LL-A-025 GM LL-B-025 | API SM/SL/SJ/CF ACEA A3/B3, A3/B4 | Recommended by Saab |
| | <p><i>Advanced Performance Synthetic Engine Oil with SuperSyn anti-wear technology providing outstanding cleaning power, excellent wear protection fuel savings and overall performance. Recommended for virtually all types of modern vehicles, especially high-performance turbo-charged, supercharged gasoline and diesel multi-valve fuel injected engines.</i></p> | | | | | | | | |
| MOBIL 1 ARCTIC 0W-40 | 0W-40 | 78,3 | 14,3 | 187 | 0,85 | 230 | MB 229.5, MB 229.3 VW 502 00, VW 503 01 VW 505 00 BMW Longlife LL-01 Porsche Special Oil List GM LL-A-025 GM LL-B-025 | API SM/SL/SJ/CF ACEA A3/B3, A3/B4 | |
| | <p><i>Advanced Performance Synthetic Engine Oil with SuperSyn anti-wear technology. Designed to provide ultimate performance and protection under all operating condition, it is particularly suitable for extreme low temperature conditions. Recommended for all types of modern vehicles, especially high-performance turbo-charged, supercharged gasoline and diesel multi-valve fuel injected engines.</i></p> | | | | | | | | |
| MOBIL 1 PEAK LIFE 5W-50 | 5W-50 | 104,6 | 17,4 | 184 | 0,86 | 228 | MB 229.3 VW 505 00 Porsche Special Oil List | API SM/SL/SJ/CF ACEA A3/B3, A3/B4 | |
| | <p><i>Ultimate Performance Synthetic Engine Oil with SuperSyn anti-wear technology. Designed to balance the demands of newer and older vehicles by delivering great all-round performance, it provides excellent protection against engine deterioration and reduces engine wear by minimizing sludge and deposits build-up. Suitable for virtually all types of vehicles and operating conditions.</i></p> | | | | | | | | |



Passenger Vehicle Engine Oils



| Brand name | SAE Grade | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | Density at 15°C <i>g/cm³</i> | Flash Point °C | Specifications | | |
|-------------------------------------|--|---|-------|-----------------|--|----------------|---|---|--|
| | | 40°C | 100°C | | | | Approved | Meets | Quality Level |
| MOBIL 1 5W-50 | 5W-50 | 104,6 | 17,4 | 184 | 0,86 | 228 | MB 229.3 VW 505 00 Porsche Special Oil List | ACEA A3/B3, A3/B4 | |
| | <p><i>Advanced Performance Synthetic Engine Oil with SuperSyn anti-wear technology, suitable for most types of severe driving conditions including high speed highway and stop and go city driving. Recommended for virtually all types of vehicles, suitable for use in high-performance turbo-charged, supercharged gasoline and diesel multi-valve fuel injected engines.</i></p> | | | | | | | | |
| MOBIL 1 ESP FORMULA 5W-30 | 5W-30 | 72,8 | 12,1 | 164 | 0,85 | 254 | BMW Longlife LL-04 MB 229.51, MB 229.31 VW 504 00, VW 507 00 Approved by PCA Peugeot Citroën Automobiles | Meets ACEA A3/B3, ACEA A3/B4, ACEA C2, ACEA C3, API CF. Meets the engine test requirements of ACEA A5/B5 and API SL/SM | Also recommended for applications requiring* VW 502 00 / 503 00 / 503 01 / 505 00 / 506 00 / 506 01 (* all VW engines with exception of Unit-Injector/Pumpe- Düse TDI without Longlife Service and without DPF between 1999-2003 and R5/ V10-TDi before model- year 2006) |
| | <p><i>Advanced Performance Synthetic Engine Oil designed to deliver outstanding performance, protection and improved fuel economy and to protect Emission Reduction Systems in both diesel and gasoline powered automobiles. Recommended for most types of modern automobile engines, especially the latest high-performance gasoline and diesel engines.</i></p> | | | | | | | | |
| MOBIL 1 5W-40 | 5W-40 | 83,6 | 14,2 | 176 | 0,86 | 231 | MB 229.3 Porsche Special Oil List VW 502 00, VW 505 00 | API SM/SL/SJ/CF ACEA A3/B3, A3/B4 | |
| | <p><i>Advanced Performance Synthetic Engine Oil with SuperSyn anti-wear technology provides outstanding overall performance in all types of driving. Recommended for most types of modern vehicles, including high-performance turbo-charged, supercharged gasoline and certain diesel multi-valve fuel injected engines.</i></p> | | | | | | | | |
| MOBIL 1 EXTENDED LIFE 10W-60 | 10W-60 | 152,7 | 22,7 | 177 | 0,86 | 234 | MB-Approval 229.1 VW 505 00 | API SM/ SL/SJ/CF ACEA A3/B3, A3/B4 | |
| | <p><i>Ultimate Performance Synthetic Engine Oil with SuperSyn anti-wear technology. Engineered to provide extra protection for older engines, it is suitable for virtually all types of older vehicles and operating conditions.</i></p> | | | | | | | | |



Passenger Vehicle Engine Oils



| Brand name | SAE Grade | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | Density at 15°C <i>g/cm³</i> | Flash Point °C | Specifications | | |
|---------------------------------------|--|---|-------|-----------------|--|-------------------|--|---|---------------|
| | | 40°C | 100°C | | | | Approved | Meets | Quality Level |
| MOBIL 1 FUEL ECONOMY 0W-30 | 0W-30 | 54,2 | 10,2 | 178 | 0,85 | 228 | | API SL/SJ/CF, ACEA A1/B1, A5/B5, Meets Engine Test Requirements of Ford WSS M2C913-A, Ford WSS M2C913-B | |
| | <p><i>Advanced Performance Synthetic Engine Oil with SuperSyn anti-wear technology. Designed to improve engine protection at start-up in very cold conditions and to reduce fuel consumption and CO₂ exhaust emissions. Recommended for virtually all types of modern vehicles, including high-performance turbo-charged, supercharged gasoline and diesel multi-valve fuel injected engines.</i></p> | | | | | | | | |
| MOBIL 1 TURBO DIESEL 0W-40 | 0W-40 | 78,3 | 14 | 186 | 0,85 | 230 | MB 229.5, MB 229.3 VW 505 00 BMW Longlife LL-01 GM LL-B-025 | API CF ACEA A3/B3, A3/B4 | |
| | <p><i>Advanced Performance Synthetic Diesel Engine Oil with SuperSyn anti-wear technology providing outstanding cleaning power, excellent wear protection, fuel savings and overall performance. Recommended for virtually all types of modern diesel engines, especially high-performance turbo-charged, supercharged diesel multi-valve fuel injected engines.</i></p> | | | | | | | | |
| MOBIL 1 TURBO DIESEL 5W-40 | 5W-40 | 83,6 | 14,2 | 176 | 0,86 | 231 | MB 229.3 VW 505 00 | API CF ACEA A3/B3, A3/B4 | |
| | <p><i>Advanced Performance Synthetic Diesel Engine Oil with SuperSyn anti-wear technology provides outstanding overall performance in all types of driving. Recommended for most types of modern vehicles, including high-performance turbo-charged, supercharged gasoline and certain diesel multi-valve fuel injected engines.</i></p> | | | | | | | | |



Passenger Vehicle Engine Oils



| Brand name | SAE Grade | Kinematic Viscosity <i>mm²/s or cSt</i> | | Density at 15°C <i>g/cm³</i> | Flash Point °C | Specifications | | |
|-----------------------------------|-----------|---|-------|---|----------------------|---|--------------------------------------|---------------|
| | | 40°C | 100°C | | | Approved | Meets | Quality Level |
| MOBIL SUPER 3000 X1 5W-40 | 5W-40 | 83,2 | 14,1 | 0,85 | 220 | BMW Longlife Oil 98 MB 229.3 VW 505 00, VW 502 00 Porsche Special Oil List GM LL-B-025 | API SM/SL/SJ/CF ACEA A3/B3, A3/B4 | |
| | | | | | | | | |
| MOBIL SUPER 2000 X1 10W-40 | 10W-40 | 97 | 14,4 | 0,87 | 230 | MB 229.1 VW 505 00 | API SL/SJ/CF ACEA A3/B3 | VW 500 00 |
| | | | | | | | | |
| MOBIL SUPER 1000 X1 10W-40 | 10W-40 | 97 | 14,4 | 0,87 | 230 | MB 229.1 VW 505 00 | API SL/SJ/CF ACEA A3/B3 | VW 500 00 |
| | | | | | | | | |
| MOBIL SUPER 1000 X1 15W-40 | 15W-40 | 107 | 14,4 | | | MB 229.1 VW 505 00 | API SL/SJ/CF ACEA A3/B3 | |
| | | | | | | | | |
| MOBIL SYNT S 5W-40 | 5W-40 | 83,2 | 14,1 | 0,85 | 220 | BMW Longlife Oil 98, MB-Approval 229.3, VW 505 00, VW 502 00, Porsche Special Oil List, GM LL-B-025 | API SM/SL/SJ/CF ACEA A3/B3, A3/B4 | |
| | | | | | | | | |



Passenger Vehicle Engine Oils



| Brand name | SAE Grade | Kinematic Viscosity <i>mm²/s or cSt</i> | | Density at 15°C <i>g/cm³</i> | Flash Point °C | Specifications | | |
|---|--|---|-------|---|----------------------|---|--|---------------------|
| | | 40°C | 100°C | | | Approved | Meets | Quality Level |
| MOBIL SYST S 5W-40 | 5W-40 | 83,2 | 14,1 | 0,85 | 220 | MB 229.3 VW 505 00, VW 502 00 Porsche Special Oil List GM LL-B-025 | API SM/SL/SJ/CF ACEA A3/B3, A3/B4 | BMW Longlife Oil 98 |
| | <i>Superior Performance Synthetic Engine Oil designed to provide an outstanding level of protection and performance. Specifically recommended for use in most vehicles including high performance, turbo-charged gasoline and diesel passenger cars fitted with advanced computer controlled multi-valve fuel injection engines.</i> | | | | | | | |
| MOBIL SUPER S 10W-40 | 10W-40 | 97 | 14,4 | | | MB 229.1 VW 505 00 | API SL/SJ/CF ACEA A3/B3 | VW 500 00 |
| | <i>Premium Semi-Synthetic Engine Oil designed to provide a superior level of protection and performance. Recommended for normal to occasionally severe driving conditions in most types of engines.</i> | | | | | | | |
| MOBIL FORMULA S 10W-40 | 10W-40 | 97 | 14,4 | | | MB 229.1 VW 505 00 | API SL/SJ/CF ACEA A3/B3 | VW 500 00 |
| | <i>Premium Semi-Synthetic Engine Oil designed to provide a superior level of protection and performance. Recommended for normal to occasionally severe driving conditions in most high performance engines.</i> | | | | | | | |
| MOBIL SUPER FE SPECIAL 5W-30 | 5W-30 | 59 | 10,6 | 0,85 | 225 | | API SL ACEA A1/B1 Ford WSS M2C913-A Ford WSS M2C913-B | |
| | <i>Premium Synthetic Engine Oil specially developed for Ford gasoline and diesel engines with improved fuel economy and reduced exhaust emissions.</i> | | | | | | | |
| MOBIL SUPER M 10W-40 | 10W-40 | 97 | 14,4 | | | VW 505 00 MB 229.1 | API SL/SJ/CF ACEA A3/B3 | VW 500 00 |
| | <i>Premium Mineral Engine Oil designed to provide a high level of protection and performance. Recommended for daily driving under normal conditions in most types of gasoline and diesel vehicles.</i> | | | | | | | |
| MOBIL SUPER M 15W-40 | 15W-40 | 107 | 14,4 | | | VW 505 00 MB 229.1 | API SL/SJ/CF ACEA A3/B3 | |
| | <i>Premium Mineral Engine Oil designed to provide a high level of protection and performance. Recommended for daily driving under normal conditions in most types of gasoline and diesel vehicles.</i> | | | | | | | |
| MOBIL SUPER M 20W-50 | 20W-50 | 171 | 19,1 | | | VW 505 00 MB 229.1 | API SL/SJ/CF ACEA A3/B3 | |
| | <i>Premium Mineral Engine Oil designed to provide a high level of protection and performance. Recommended for daily driving under normal conditions in most types of gasoline and diesel vehicles.</i> | | | | | | | |



Passenger Vehicle Engine Oils



| Brand name | SAE Grade | Kinematic Viscosity <i>mm²/s or cSt</i> | | Density at 15°C <i>g/cm³</i> | Flash Point °C | Specifications | | |
|--|---|---|-------|---|----------------------|--|--|--------------------|
| | | 40°C | 100°C | | | Approved | Meets | Quality Level |
| MOBIL MULTIGRADE 10W-40 | 10W-40 | 97 | 14,4 | | | | ACEA A2/B2 | API SH/CD |
| | <i>Quality Mineral Engine Oil for passenger vehicles</i> | | | | | | | |
| MOBIL MULTIGRADE 15W-40 | 15W-40 | 107 | 14,4 | | | | ACEA A2/B2 | API SH/CD |
| | <i>Quality Mineral Engine Oil for passenger vehicles</i> | | | | | | | |
| MOBIL SYST S SPECIAL V 5W-30 | 5W-30 | 66,9 | 11,6 | 0,85 | 228 | VW 505 00, VW 505 01 BMW Longlife LL-04 | API CF/SL ACEA A3/B3 A3/B4 ACEA C3 | Ford M2C917-A |
| | <i>Superior Performance Synthetic Diesel Engine Oil primarily intended for use in Volkswagen pump-jerk diesel engines requiring VW 505 01 approval.</i> | | | | | | | |
| MOBIL SUPER S TURBO DIESEL 10W-40 | 10W-40 | 97 | 14,4 | | | MB 229.1 VW 505 00 | API CF ACEA A3/B3 | |
| | <i>Premium Semi-Synthetic Diesel Engine Oil designed to provide a superior level of protection and performance. Recommended for normal to occasionally severe driving conditions in naturally aspirated and turbo-charged diesel engines in passenger cars and light commercial vehicles.</i> | | | | | | | |
| MOBIL SUPER M DIESEL 15W-40 | 15W-40 | 107 | 14,4 | | | VW 505 00 MB 229.1 | API CF ACEA A3/B3 | |
| | <i>Premium Mineral Diesel Engine Oil designed to provide a high level of protection and performance. Recommended for daily driving under normal conditions in most types of diesel vehicles.</i> | | | | | | | |
| MOBIL MULTIGRADE DIESEL 15W-40 | 15W-40 | 107 | 14,4 | | | | | API CD, ACEA B2 |
| | <i>Quality Mineral Diesel Engine Oil for passenger vehicles</i> | | | | | | | |



| Brand name | SAE Grade | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | Density at 15°C <i>g/cm³</i> | Pour Point °C | Specifications | | |
|---------------------------------|---|---|-------|-----------------|--|------------------|---|---|---------------|
| | | 40°C | 100°C | | | | Approved | Meets | Quality Level |
| MOBIL DELVAC 1 LE 5W-30 | | 74 | 12,2 | 161 | 0,855 | -51 | MB-Approval 228.51/228.5 MAN M 3477 | ACEA E6/E4 | |
| | <p><i>Mobil Delvac 1 LE 5W-30 is a fully synthetic supreme performance heavy duty diesel engine oil that helps to provide both engine and emission system protection while providing long drain capability and fuel economy potential for modern diesel engines, including those fitted with Diesel Particulate Filters (DPF). Mobil Delvac 1 LE 5W-30 utilizes state-of-the-art technology to deliver exceptional performance in modern low emission engines.</i></p> | | | | | | | | |
| MOBIL DELVAC 1 ESP 5W-40 | | 98 | 14,7 | 156 | 0,85 | -48 | Cummins CES 20081 Detroit Diesel Power Guard Oil Specification 93K218, 93K214 Mack EO-O Premium Plus, EO-N Premium Plus 03 MB-Approval 228.31 MB-Approval 228.3 Volvo VDS-4/VDS-3 Deutz DQC III-05 Twin Disc S364A | API CJ-4/CI-4 PLUS/ CI-4/CH-4/CG-4/SM/SL ACEA E7 Caterpillar ECF-3 | |
| | <p><i>Mobil Delvac 1 ESP 5W-40 is a fully synthetic supreme performance heavy duty diesel engine oil that helps extend engine life while providing long drain capability and potential fuel economy for modern diesel engines operating in severe applications. Mobil Delvac 1 ESP utilizes state-of-the-art technology to deliver exceptional performance in modern low emission engines, including those with Exhaust Gas Recirculation (EGR) and Aftertreatment systems with Diesel Particulate Filters (DPF's) and Diesel Oxidation Catalysts (DOC's), as well as refrigerated units and older, well-maintained engines. Mobil Delvac 1 ESP 5W-40 is recommended for use in a wide range of heavy-duty applications and operating environments found in the on-road transport and off-road mining, construction, and agricultural industries. Mobil Delvac 1 ESP also meets the API SM specification for gasoline engines used in mixed fleets.</i></p> | | | | | | | | |



| Brand name | SAE Grade | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | Density at 15°C <i>g/cm³</i> | Pour Point °C | Specifications | | |
|-------------------------------------|-----------|---|-------|-----------------|--|------------------|--|--|---------------|
| | | 40°C | 100°C | | | | Approved | Meets | Quality Level |
| MOBIL DELVAC 1 5W-40 | 5W-40 | 102 | 14,8 | 151 | 0,854 | -45 | 'MB-Approval 228.5 Volvo VDS-3/VDS-2 Cummins 20078/77/76/75 Mack EO-N Premium Plus 03, EO-M Plus Renault RVI RXD Scania LDF | API CI-4 PLUS/CI-4/ CH-4/CG-4/CF API SL/SJ ACEA E7/E4 Jaso DH-1 Global DHD-1 Cat ECF-1 DAF Extended Drain Cummins 20072/71 Detroit Diesel Power Guard Oil Specification 93K214 Ford WSS-M2C171-D | API CF-4 |
| | | | | | | | | | |
| MOBIL DELVAC 1 SHC 5W-40 | 5W-40 | 87,9 | 14,5 | 172 | 0,86 | -54 | MAN M 3277 MB-Approval 228.5 Volvo VDS-2 MTU Type 3 Mack EO-M Renault RVI RXD ZF TE-ML 04C | API CF ACEA E4 DAF Extended Drain | API CE |
| | | | | | | | | | |
| MOBIL DELVAC XHP ULTRA 5W-30 | 5W-30 | 69,7 | 11,8 | 166 | 0,856 | -45 | MB- Approval 228.5 | | |
| | | | | | | | | | |



| Brand name | SAE Grade | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | Density at 15°C <i>g/cm³</i> | Pour Point °C | Specifications | | |
|--|-----------|---|-------|-----------------|--|------------------|--|---|--|
| | | 40°C | 100°C | | | | Approved | Meets | Quality Level |
| MOBIL DELVAC XHP LE 10W-40 | 10W-40 | 85 | 13 | 153 | 0,865 | -39 | MB-Approval 228.51/228.5 MAN M 3277(CRT) MAN M 3477 Volvo VDS-3 Renault RVI RXD/RLD-2 Renault RVI RGD Scania Low Ash MTU Type 3.1 | ACEA E7/E6/E4 | |
| | | | | | | | | | |
| MOBIL DELVAC XHP EXTRA 10W-40 | 10W-40 | 89,1 | 13,2 | 149 | 0,867 | -42 | MB-Approval 228.5 MAN M 3277 Volvo VDS-3/VDS-2 MTU Type 3 Renault RVI RXD | API CF ACEA E7/E4 DAF Extended Drain | Cummins 20072 |
| | | | | | | | | | |
| MOBIL DELVAC MX EXTRA 10W-40 | 10W-40 | 93 | 14,2 | 150 | 0,864 | -33 | MB-Approval 228.3/229.1 MAN M 3275 Volvo VDS-3/VDS-2 Renault RLD Cummins CES 20078/77/76 MACK EO-M PLUS MTU TYPE 1 Open Crankcase Only - ODI Up To 500 Hours | API CI-4/CH-4/CG-4/CF API SL/SJ ACEA E7 | Cummins 20072/71 ACEA B4, B3, A2 DETROIT DIESEL 7SE 270 (4-STROKE CYCLE) API CF-4 |
| | | | | | | | | | |



| Brand name | SAE Grade | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | Density at 15°C <i>g/cm³</i> | Pour Point °C | Specifications | | |
|-----------------------------------|-----------|---|-------|-----------------|--|------------------|---|--|---------------|
| | | 40°C | 100°C | | | | Approved | Meets | Quality Level |
| MOBIL DELVAC XHP 10W-40 | 10W-40 | 92,6 | 13,9 | 153 | 0,873 | -30 | MTU TYPE 2 MB-Approval 228.3 Volvo VDS-3 MAN M 3275 Scania LDF-2 RVI RLD-2 Cummins CES 20078 Mack EO-M PLUS | API CI-4 ACEA E7 | |
| | | <p><i>Mobil Delvac XHP 10W-40 is an extra high performance synthetic blend heavy duty diesel engine oil engineered to provide excellent protection to diesel engines used in severe on and off highway applications. This diesel engine oil is designed using high performance base oils which provide low temperature fluidity, high temperature viscosity retention, and volatility control. Recommended for use in engines of various manufacturers but specifically for extended oil drain intervals in Scania engines.</i></p> | | | | | | | |
| MOBIL DELVAC MX ESP 15W-40 | | 114,0 | 15,0 | 137 | 0,876 | -30 | VOLVO VDS-4/VDS-3/ VDS-2 MB-Approval 228.31 MB-Approval 228.3 Cummins CES 20081 Mack EO-O Premium Plus Mack EO-N Premium Plus 03 Detroit Diesel Power Guard Oil Specification 93K218/93K214 Renault RVI RLD-3 | API CJ-4/CI-4 PLUS/ CI-4/CH-4/CG-4/CF/ CF-2/SM/SL ACEA E7 Caterpillar ECF-3 JASO DH-2 | API CF-4 |
| | | <p><i>Mobil Delvac MX ESP 15W-40 is a high performance low ash diesel engine oil for use in severe on and off-highway applications while delivering outstanding performance in modern, high-output, low-emission engines including those with Aftertreatment Systems with Diesel Particulate Filters (DPFs). Mobil Delvac MX ESP 15W-40 can also be used in older conventional engines. It meets the requirements of ACAE E7 and API CJ-4/CI-4 as well as key Original Equipment Manufacture (OEM) engine oil requirements such as Volvo VDS-4.</i></p> | | | | | | | |



| Brand name | SAE Grade | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | Density at 15°C <i>g/cm³</i> | Pour Point °C | Specifications | | |
|-----------------------------------|-----------|---|-------|-----------------|--|------------------|--|--|---|
| | | 40°C | 100°C | | | | Approved | Meets | Quality Level |
| MOBIL DELVAC MX 15W-40 | 15W-40 | 105 | 14,2 | 138 | 0,88 | -33 | MAN M 3275 Volvo VDS-3/VDS-2 MB-Approval 228.3 Renault RLD Cummins CES 20078/77/76/75 MACK EO-M PLUS MTU TYPE 1 Open Crankcase Only - ODI Up To 500 Hours | API CI-4/CH-4/CG-4 API CF/SL/SJ ACEA E7 Cat ECF-2 Cummins CES 20072/71 DETROIT DIESEL 7SE 270 (4-STROKE CYCLE) | Allison C-4 ACEA B4, B3, A2 MACK EO-M API CF-4 |
| | | | | | | | | | |
| MOBIL DELVAC 1630 | 30 | 90 | 11,5 | 117 | 0,889 | -30 | MB-Approval 228.2 MAN 270 MTU Type 2 ZF TE-ML 04B | API CF ACEA E2 JASO DH-1 | API SF Allison C-4 |
| | | | | | | | | | |
| MOBIL DELVAC 1640 | 40 | 132 | 14,7 | 112 | 0,892 | -21 | MB-Approval 228.2 MAN 270 MTU Type 2 ZF TE-ML 04B | API CF ACEA E2 JASO DH-1 | API SF |
| | | | | | | | | | |
| MOBIL DELVAC HYDRAULIC 10W | 10W | 37 | 6,1 | 110 | 0,88 | -30 | | | API CD/SF Vickers 35VQ25 |
| | | | | | | | <i>High performance hydraulic oil formulated from advanced base stocks and a balanced additive system for a wide range of heavy-duty hydraulic equipment requirements, on and off-highway. Contains an effective balance of ashless dispersants and metallic detergents combined with inhibitors to control oxidation, wear, corrosion and rust.</i> | | |
| MOBIL DELVAC 1320 | 20 | 57,7 | 8,2 | 110 | 0,888 | -24 | | | API SF/CF |
| | | | | | | | <i>High performance, heavy duty diesel engine oil. Used in inter-cooled, turbo-charged engines operating under severe on and off-highway conditions. Used in a range of applications where a monograde lubricant is recommended.</i> | | |



| Brand name | SAE Grade | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | Density at 15°C <i>g/cm³</i> | Pour Point °C | Specifications | | |
|---|---|---|-------|-----------------|--|------------------|---|-------------------------------------|--------------------------------------|
| | | 40°C | 100°C | | | | Approved | Meets | Quality Level |
| MOBIL DELVAC 1330 | 30 | 101 | 11,6 | 99 | 0,811 | -24 | | | API SF/CF MB 227.0 Allison C-4 |
| | | | | | | | <i>High performance, heavy duty diesel engine oil. Used in inter-cooled, turbo-charged engines operating under severe on and off-highway conditions. Used in a wide range of applications where a monograde lubricant is recommended.</i> | | |
| MOBIL DELVAC 1340 | 40 | 142 | 14,3 | 99 | 0,815 | -18 | | | API SF/CF MB 227.0 |
| | | | | | | | <i>High performance, heavy duty diesel engine oil. Used in inter-cooled, turbo-charged engines operating under severe on and off-highway conditions. Used in a wide range of applications where a monograde lubricant is recommended.</i> | | |
| MOBIL DELVAC 1350 | 50 | 222 | 19,5 | 99 | 0,821 | -15 | | | API SF/CF |
| | | | | | | | <i>High performance, heavy duty diesel engine oil. Used in inter-cooled, turbo-charged engines operating under severe on and off-highway conditions. Used in a wide range of applications where a monograde lubricant is recommended.</i> | | |
| MOBIL DELVAC 1240 | 40 | 158 | 15,5 | 99 | 0,899 | -18 | | | API CF/CF-2/SF |
| | | | | | | | <i>Mono-grade diesel engine oil for use in a wide range of applications where a monograde lubricant is recommended including 2-cycle diesel applications. For commercial vehicles and contractor equipment, gasoline engines of passenger cars and farming equipment.</i> | | |
| MOBIL DELVAC SUPER 1400 10W-30 | | 70 | 10,7 | 138 | 0,88 | -27 | Volvo VDS-2 | API CH-4 | API CG-4/CF-4/CF/SJ |
| | <i>High performance diesel engine oil that provides proven engine protection of diesel engines operating in on and off-highway severe service conditions. Recommended for use in a wide range of heavy-duty applications and operating environments found in the trucking, mining, construction, quarrying and agricultural industries.</i> | | | | | | | | |
| MOBIL DELVAC SUPER 1400 15W-40 | 15W-40 | 103 | 13,9 | 136 | 0,885 | -27 | MB-Approval 228.3 MAN M 3275 Volvo VDS-2 RVI RD-2/RD MTU Type 2 | API CG-4/CF/SJ ACEA A3/B3, A3/B4 | API CF-4 ACEA E3 |
| | | | | | | | | | |



| Brand name | SAE Grade | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | Density at 15°C <i>g/cm³</i> | Pour Point °C | Specifications | | |
|-----------------------------------|--|---|-------|-----------------|--|---------------|---|-------|--|
| | | 40°C | 100°C | | | | Approved | Meets | Quality Level |
| MOBIL ATF SHC | | 33 | 7,45 | 200 | 0,839 | -51 | MB-Approval 236.8/236.5, MAN 339 Typ V-2, MAN 339 Typ Z-2, Voith G1363 ZF TE-ML 09X/14B/16L | | GM Dexron IIE Renk Doromat Caterpillar TO-2, Allison C-4 |
| | <i>Fully synthetic ATF providing superior performance for passenger car and trucks. It is also recommended for manual transmissions designed to operate with ATF fluids. Also suitable for industrial applications where superior hydraulic or fluid power transmission is required,</i> | | | | | | | | |
| MOBIL DELVAC SYNTHETIC ATF | | 220 | 27 | 153 | 0.88 | -48 | Allison TES-295 (AN - 051005) | | |
| | <i>Mobil Delvac Synthetic ATF is recommended for use in modern high performance trucks, buses, utility vehicles, haulers, vans and other equipment requiring Allison TES-295 performance levels.</i> | | | | | | | | |
| MOBIL ATF 320 | | 35 | 8,1 | 217 | 0,86 | -45 | ZF TE-ML 4D/17C Voith G607 | | GM Dexron III G Renk Doromat Allison C-4 |
| | <i>Extra high performance ATF recommended for most passenger and commercial vehicles automatic transmission. It is also recommended for power steering fluid application and some manual transmissions where ATF fluid is specified.</i> | | | | | | | | |
| MOBIL ATF 220 | | 37 | 7,1 | 158 | 0,87 | -45 | MB-Approval 236.7 ZF TE-ML 3D/4D/11A/14A/17C Voith G607 MAN 339 Typ V-1, MAN 339 Typ Z-1 | | GM Dexron IID Caterpillar TO-2 Renk Doromat GM Type A Suffix A Allison C-4 Ford M2C 163-A |
| | <i>High performance ATF recommended for vehicles specifying Dexron IID performance level as well as the related power steering systems. Also suitable for some special hydraulic systems having similar fluid specifications (consult manufacturer requirements),</i> | | | | | | | | |



| Brand name | SAE Grade | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | Density at 15°C <i>g/cm³</i> | Pour Point °C | Specifications | | |
|---|--|---|-------|-----------------|--|---------------|---|--|--|
| | | 40°C | 100°C | | | | Approved | Meets | Quality Level |
| MOBILTRANS HD 10W | 10W | 42 | 6,3 | 96 | 0,888 | -30 | ZF TE-ML 03C | CATERPILLAR TO-4 | Allison C-4 |
| | <i>Extra high performance, heavy duty transmission and drive-train lubricants to meet the specifications required by Caterpillar TO-4. Designed to optimise the performance of powershift transmissions, gearboxes and final drives. Provide excellent protection even in high pressure hydraulic systems.</i> | | | | | | | | |
| MOBILTRANS HD 30 | 30 | 100 | 11,2 | 97 | 0,8929 | -24 | ZF TE-ML 03C/07F | CATERPILLAR TO-4 | Allison C-4 |
| | <i>Extra high performance, heavy duty transmission and drive-train lubricant to meet the specifications required by Caterpillar TO-4. Designed to optimise the performance of powershift transmissions, gearboxes and final drives. Provide excellent protection even in high pressure hydraulic systems.</i> | | | | | | | | |
| MOBILTRANS HD 50 | 50 | 195 | 18 | 100 | 0,906 | -15 | | CATERPILLAR TO-4 | |
| | <i>Extra high performance, heavy duty transmission and drive-train lubricants to meet the specifications required by Caterpillar TO-4. Designed to optimise the performance of powershift transmissions, gearboxes and final drives. Provide excellent protection even in high pressure hydraulic systems.</i> | | | | | | | | |
| MOBILUBE 1 SHC 75W-90 | 75W-90 | 102 | 15,1 | 156 | 0,87 | -54 | ZF TE-ML 02B/05B/12B/16F/17B/19C MAN M 3343 Typ S Volvo GO 101 MAN 341 Typ E3 | API GL-4/GL-5/MT-1 Scania STO 1:0 ZF-TE-ML 07A | ZF-TE-ML 08 |
| | <i>Fully synthetic, supreme performance commercial gear lubricant made with advanced base oils and additive systems. For heavy duty manual transmissions and rear axles that require lubricants with excellent load-carrying capability. Good thermal and oxidation stability, inherently high VI, extremely low pour point and improved low temperature fluidity.</i> | | | | | | | | |
| MOBIL DELVAC SYNTHETIC GEAR OIL 75W-90 | 75W-90 | 120 | 15,9 | 140 | 0,86 | -48 | ArvinMerritor 0-76N MB-Approval 235.8 ZF TE-ML 05B/12B/16F/17B/19C International TMS-6816 DANA SHAES 256 Rev C MACK GO-J PLUS MAN 342 Typ M2 VOITH TURBO 3.325-340 | API GL-5/MT-1 Scania STO 1:0 ZF-TE-ML 07A/08 | Eaton E500 MIL-PRF-2105E, quality level but not approved |
| | <i>Fully synthetic transmission and axle oil for vehicles operating in severe service conditions.</i> | | | | | | | | |



| Brand name | SAE Grade | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | Density at 15°C <i>g/cm³</i> | Pour Point °C | Specifications | | |
|--|--|---|-------|-----------------|--|---------------|--|--|----------------------------------|
| | | 40°C | 100°C | | | | Approved | Meets | Quality Level |
| MOBIL DELVAC SYNTHETIC GEAR OIL SHC 75W-140 | 75W-140 | 182 | 25 | 170 | 0,891 | -45 | | API GL-5 Scania STO 1:0 | |
| | <i>Fully synthetic drivetrain lubricant meeting the demanding performance requirements of Scania STO 1:0 and API GL-5. For use in heavy-duty drivetrains that require lubricants with relatively high viscosity and excellent load-carrying capability and where extreme pressures and shock loading are expected.</i> | | | | | | | | |
| MOBILTRANS MBT 75W-90 | 75W-90 | 96,3 | 14,7 | 159 | 0,848 | -45 | MB-Approval 235.11 | API GL-4 | |
| | <i>Fully synthetic manual transmission lubricant. Aims to provide long drain intervals for Mercedes Benz vehicles.</i> | | | | | | | | |
| MOBILTRANS SHC V 30 | 30 | 65,2 | 10,3 | 144 | | -55 | Volvo 97307 MAN 341 Typ VR MAN 341 Typ E4 | | |
| | <i>Fully synthetic manual transmission lubricant with excellent cold flow behaviour and oxidation stability. Exhibits excellent viscosity-temperature characteristics, low foam behaviour and good corrosion protection.</i> | | | | | | | | |
| MOBILUBE S 80W-90 | 80W-90 | 144 | 15 | 105 | 0,9 | -30 | MAN M 3343 Typ M MAN 341 Typ E2 ZF-TE-ML 02B/05A/ 12E/16B/17B/19B MACK GO-J MB-Approval 235.0 | API GL-4/GL-5/MT-1 ZF-TE-ML 07A/08 Scania STO 1:0 Arvin Meritor O76-D | MAN 341 Typ Z2 MAN 342 Typ M2 |
| | <i>Extra high performance drivetrain lubricant engineered to provide optimum lubrication for state-of-the-art, heavy duty manual components used in on highway commercial vehicles and cars. Formulated using advanced base oils and additive systems that deliver excellent shifting performance, good low temperature fluidity and high temperature viscosity retention.</i> | | | | | | | | |
| MOBILUBE XHP 75W-80 | 75W-80 | 52,2 | 9,5 | 168 | 0,871 | -45 | ZF TE-ML 02D MAN 341 Typ Z3 MAN 341 Typ E3 | API GL-3/GL-4 | |
| | <i>Mobilube XHP 75W-80 is an extra high performance synthetic blend manual transmission lubricant engineered for the latest European heavy duty manual transmissions used in on highway commercial vehicles and cars. This transmission lubricant is designed using select base oils and an advanced additive package that enhances shifting performance, low temperature fluidity, and high temperature viscosity retention. Mobilube XHP 75W-80 is formulated with extended performance reserve for applications requiring API GL-3/4 service.</i> | | | | | | | | |



Automotive Gear Oils



| Brand name | SAE Grade | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | Density at 15°C <i>g/cm³</i> | Pour Point °C | Specifications | | |
|----------------------------------|--|---|-------|-----------------|--|---------------|---|--------------------------|---------------|
| | | 40°C | 100°C | | | | Approved | Meets | Quality Level |
| MOBILUBE GX-A 80W | 80W | 76 | 10 | 104 | 0,89 | -30 | MB-Approval 235.1 MAN 341 Typ Z1 MAN 341 Typ E1 ZF-TE-ML 02A/17A | API GL-4 ZF-TE-ML 08 | |
| | <i>Automotive gear lubricant formulated from high performance base oils and an advanced additive system. Used for commercial transmissions, axles and final drives where protection against wear and scoring is required. Provides excellent performance in Mercedes Benz applications and where API GL-4 is required.</i> | | | | | | | | |
| MOBILUBE GX 80W-90 | 80W-90 | 135 | 14,5 | 104 | 0,89 | -30 | | API GL-4 | |
| | <i>High performance, heavy duty gear lubricant formulated from high quality base oils and an advanced additive system. For use in automotive heavy-duty transmissions, axles, and final drives where protection against wear and scoring is required. Provides excellent performance where API GL-4 is required.</i> | | | | | | | | |
| MOBILUBE HD 75W-90 | 75W-90 | 103 | 16 | 166 | 0,885 | -39 | | API GL-5 | |
| | <i>Mobilube HD 75W-90 is an SAE 75W-90 synthetic blend product meeting the requirements of API GL-5. It has been formulated using a combination of high quality base fluids with a highly shear stable Viscosity Index Improver providing "stay in grade" performance.</i> | | | | | | | | |
| MOBILUBE HD-A PLUS 80W-90 | 80W-90 | 131 | 14,3 | 105 | 0,901 | -33 | MB-Approval 235.20 MAN 342 Typ M2 ZF TE-ML 05A, 12E, 16B, 17B, 19B, 21A | API GL-5 Scania 1:0 | |
| | <i>Engineered for commercial transmissions, axles, and final drives where extreme pressures and shock loading are expected providing exceptional performance where API GL-5 service is required. It is formulated from high performance base oils and an advanced additive system.</i> | | | | | | | | |
| MOBILUBE HD-A 85W-90 | 85W-90 | 184 | 17 | 99 | 0,903 | -24 | MB-Approval 235.0 ZF TE-ML 05A/16C/17B/19B ZF TE-ML 21A MAN 342 Typ M1 | API GL-5 ZF TE-ML-07A | |
| | <i>Heavy duty gear lubricant formulated from high performance base oils and an advanced additive system. For use in commercial transmissions, axles and final drives where extreme pressures and shock loading are expected. Provides exceptional performance where API GL-5 is required.</i> | | | | | | | | |
| MOBILUBE HD 80W-90 | 80W-90 | 136 | 14,5 | 105 | 0,9 | -30 | | API GL-5 | |
| | <i>High performance, heavy duty gear lubricant formulated from high quality base oils and an advanced additive system. For use in automotive heavy-duty transmissions, axles, and final drives where protection against wear and scoring is required. Provides excellent performance where API GL-5 is required.</i> | | | | | | | | |



| Brand name | SAE Grade | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | Density at 15°C <i>g/cm³</i> | Pour Point °C | Specifications | | |
|-------------------------------|---|---|-------|-----------------|--|---------------|--|---|---------------|
| | | 40°C | 100°C | | | | Approved | Meets | Quality Level |
| MOBILUBE HD 85W-140 | 85W-140 | 328 | 25,3 | 97 | 0,91 | -18 | | API GL-5 | |
| | <i>High performance, heavy duty gear lubricant formulated from high quality base oils and an advanced additive system. For use in automotive heavy-duty transmissions, axles, and final drives where protection against wear and scoring is required. Provides excellent performance where API GL-5 is required.</i> | | | | | | | | |
| MOBILUBE HD-N 80W-140 | 80W-140 | 262 | 25,3 | 125 | 0,892 | -30 | | API GL-5 Scania STO 1:0 | |
| | <i>Extra high performance commercial gear lubricant. For use in heavy-duty transmissions, axles and final drives where extreme pressures and shock loading are expected. Provides excellent chemical and thermal stability at elevated bulk oil temperatures and good performance at low temperatures. Good rust performance resulting from water contamination and/or storage in wet conditions.</i> | | | | | | | | |
| MOBILUBE SYN LS 75W-90 | | 220 | 27 | 153 | 0.88 | -48 | | API GL-5 | |
| | | | | | | | | | |
| MOBILUBE LS 85W-90 | 85W-90 | 153 | 15,3 | 100 | 0,9 | -36 | ZF TE-ML 05C/12C/16E ZF TE-ML 21C | API GL-5 | |
| | <i>Super premium, automotive gear lubricant formulated from selected high quality base oils and an optimum balance of additives designed for limited-slip applications. Provides reliable performance in cars and light commercial vehicles including taxicabs, trucks and buses where limited-slip capability is required.</i> | | | | | | | | |
| MOBILUBE PTX 75W-90 | 75W-90 | 79 | 14,64 | 194,9 | 0,8485 | -54 | | Recommended by Porsche for manual gearboxes for all 911 models and the front differentials fitted to 4WD 911's. | |
| | <i>Fully synthetic automotive gear oil providing outstanding performance in most manual transmissions as well as transaxle or hypoid axle applications. Recommended for Porsche transaxles due to its excellent low temperature fluidity.</i> | | | | | | | | |
| GEARLUBE VS 200 | | 73 | 14,4 | 210 | 0,86 | -45 | VW 501 50 API GL4 Approved by VW/Audi/ Seat/Skoda | | |
| | <i>Fully synthetic high performance lubricant developed for specific requirements of passenger car manual transmissions and axle oils from VW/Audi/Seat/Skoda.</i> | | | | | | | | |



| Brand name | SAE Grade | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | Density at 15°C <i>g/cm³</i> | Pour Point °C | Specifications | | |
|------------------------|--|---|-------|-----------------|--|------------------|-------------------------|----------|---------------|
| | | 40°C | 100°C | | | | Approved | Meets | Quality Level |
| GEARLUBE VS 500 | | 177 | 25 | 174 | 0,86 | -54 | ZF TE-ML 05D/12D/16G | API GL-5 | |
| | <p><i>Fully synthetic rear axle oil for use in hypoid axles with limited slip differentials in passenger cars and SUV vehicles. Can be used as a service fill for the rear axles of the Opel Frontera, Isuzu Trooper, Mitsubishi, Nissan, Toyota and other 4 wheel-drive vehicles with hypoid final drives and locked differentials. It is also specified for BMW axles with limited slip differentials - MSP/A (prescribed for the Z3 Roadster.</i></p> | | | | | | | | |
| GEARLUBE VS 600 | | 103,7 | 15,7 | 162 | 0,855 | -51 | MAN 342 Typ S-1 | API GL-5 | |
| | <p><i>Fully synthetic rear axle oil for use in hypoid axles. Specially formulated and approved by BMW for use in conventional (non-limited slip) differentials. Suitable for other high performance applications where an API GL-5 gear lubricant is specified.</i></p> | | | | | | | | |



| Brand name | SAE Grade | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | Density at 15°C <i>g/cm³</i> | Pour Point °C | Specifications | | |
|--------------------------------|--|---|-------|-----------------|--|------------------|------------------|---|--|
| | | 40°C | 100°C | | | | Approved | Meets | Quality Level |
| MOBIL AGRI EXTRA 10W-40 | 10W-40 | 85 | 13 | 150 | 0,88 | -36 | ZF TE-ML 06C/07B | MF M-1144 | API CE/SF/GL-4 MF M-1139/1145 Allison C-4 (Agriculture applications only) Ford M2C 159B John Deere J27 |
| | <i>Synthetic blend, extra high performance, multi-functional STOU lubricant for use in a wide range of severe duty applications and extreme operating environments found in the farming industry including many engines, transmissions, hydraulics, final drives and oil-immersed brakes.</i> | | | | | | | | |
| MOBIL AGRI SUPER 15W-40 | 15W-40 | 96 | 14,2 | 140 | 0,88 | -30 | ZF TE-ML 06B/07B | MF M-1139/1144 John Deere J27 Ford M2C 159B | API CF-4/CF/SF/GL-4 ACEA E2 MF M-1145 Allison C-4 (Agriculture applications only) Caterpillar TO-2 |
| | <i>High performance, multi-functional STOU lubricant for use in a wide range of heavy-duty applications and operating environments found in the farming industry including in many engines, transmissions, hydraulics, final drives and oil-immersed brakes.</i> | | | | | | | | |
| MOBILFLUID 422 | | 85 | 10,8 | 110 | 0,894 | -30 | | API GL-4 ESN-M2C 86B MF M-1135 | |
| | <i>Extra high performance multi purpose tractor lubricant for transmission and hydraulic fluid requirements. Used for service top-up and refill of transmissions, final drives and hydraulic systems of tractors and other mobile equipment with oil-immersed brake systems. Special frictional characteristics to prevent squawk and chatter in wet brake systems and for consistent braking performance.</i> | | | | | | | | |



| Brand name | SAE Grade | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | Density at 15°C <i>g/cm³</i> | Pour Point °C | Specifications | | |
|-----------------------|---|---|-------|-----------------|--|------------------|--------------------------------------|---|---|
| | | 40°C | 100°C | | | | Approved | Meets | Quality Level |
| MOBILFLUID 424 | | 55 | 9,3 | 145 | 0,88 | -42 | ZF-TE-ML 03E/05F/17E Volvo WB-101 | API GL-4 FNHA-2C-201.00 MAT 3525 Kubota UDT | John Deere J20C Allison C-4 (Agriculture applications only) Caterpillar TO-2 Vickers 35VQ25 MF M-1135/1141 Denison HF-0/HF-1/ HF-2 (T5D & P46 pumps only) Ford ESN-M2C-134D Powerfluid 821 XL JI Case MS 1204-07/09 |
| | <p><i>Extra high performance multi purpose tractor lubricants for transmission and hydraulic fluid requirements. Designed for off highway and commercial equipment operating in a wide range of environments and conditions. Excellent lubrication performance for drive trains of agricultural and construction equipment in severe duty applications. Suitable for reducing wet brake and Power Take-Off (PTO) chatter.</i></p> | | | | | | | | |
| MOBILFLUID 426 | | 59 | 9,7 | 149 | 0,889 | -36 | ZF-TE-ML 05F/06K/17E Volvo WB-101 | API GL-4 FNHA-2C-201.00 MAT 3525 MF M-1143 Kubota UDT | John Deere J20C Allison C-4 (Agriculture applications only) Caterpillar TO-2 Vickers 35VQ25 MF M-1135/1141 Denison HF-0/HF-1/ HF-2 (T5D & P46 pumps only) Ford ESN-M2C-134D Powerfluid 821 XL JI Case MS 1204-07/09 |
| | <p><i>Extra high performance power transmission fluid formulated for use in hydrodynamic gears and hydraulic systems typically found in railroad, marine, construction and industrial applications. Based on high performance basestocks and advanced additives to deliver transfer of power responsively. For heavy-duty, low and high speed applications.</i></p> | | | | | | | | |



| Brand name | SAE Grade | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | Density at 15°C <i>g/cm³</i> | Pour Point °C | Specifications | | |
|--------------------------|---|---|-------|-----------------|--|------------------|----------------|---|---------------|
| | | 40°C | 100°C | | | | Approved | Meets | Quality Level |
| MOBIL 1 RACING 2T | | 83 | 12,7 | 154 | 0,88 | -42 | | API TC JASO FD/FC ISO E-GC/E-GD TISI SAE Grade 1 SAE Grade 2 | |
| | <i>Fully synthetic, high performance motor oil for most types of high-powered 2-stroke motorcycle engines. Excellent thermal and oxidation stability. Helps to extend spark plug and valve life, to reduce ring sticking and piston tightening and to prevent pre-ignition.</i> | | | | | | | | |
| MOBIL SUPER 2T | | 63 | 8,7 | 110 | 0,878 | -12 | | API TC/TB JASO FB ISO E-GB | |
| | <i>High quality, mineral oil based 2-stroke engine oil for use in wide range of motorcycles, snowmobiles and lean oil/fuel ratio chain saws,</i> | | | | | | | | |

Industrial Lubricants

| | | | |
|------------------------------|----|---|----|
| Turbine and Circulation Oils | 22 | Cutting Fluids – Water Miscible | 55 |
| Slideway and Spindle Oils | 31 | Cutting Fluids – Neat | 56 |
| Hydraulic Oils | 33 | Rust Preventives | 58 |
| Cylinder Oils | 39 | Lubricants for the Food Industry - Oils | 59 |
| Industrial Gear Oils | 40 | Lubricants for food Industry - Greases | 61 |
| Refrigeration Oils | 45 | Textile Machine Oils | 62 |
| Compressor Oils | 48 | Paper Machine Circulation Oils | 63 |
| Air Tool Oils | 50 | Paper Machine Greases | 64 |
| Electrical Insulating Oils | 51 | Open Gear Lubrication (Grease) | 65 |
| Gas Engine Oils | 52 | Greases | 66 |
| Heat Transfer Oils | 54 | Specialty Products | 71 |





| Brand name | ISO VG | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | Density at 15°C <i>g/cm³</i> | Pour Point °C | Flash Point °C | Specifications | | |
|-----------------------|--------|---|-------|-----------------|--|------------------|-------------------|--|--|---------------|
| | | 40°C | 100°C | | | | | Approved | Meets | Quality Level |
| TERESSTIC T 32 | 32 | 32 | 5,4 | 100 | 0,860 | -30 | 222 | Siemens TLV 9013 04 Alstom Power HTGD 90 117 | Siemens Industrial Turbo Machinery MAT 812101 China national standard GB 11120-89 L-TSA GE GEK 28143A GE GEK 46506D GE GEK 27070 GEC Alstom NBA 50001A Siemens Westinghouse PD-55125Z3 DIN 51515 L-TD JIS K-2213 type 2 with additives | |
| | | | | | | | | | | |
| TERESSTIC T 46 | 46 | 46 | 6,8 | 100 | 0,870 | -30 | 218 | Siemens TLV 9013 04 Alstom Power HTGD 90 117 | Siemens Industrial Turbo Machinery MAT 812102 China national standard GB 11120-89 L-TSA GE GEK 28143A GEC Alstom NBA 50001A DIN 51515 L-TD JIS K-2213 type 2 with additives | |
| | | | | | | | | | | |
| TERESSTIC T 68 | 68 | 68 | 8,5 | 95 | 0,870 | -30 | 220 | Alstom Power HTGD 90 117 | DIN 51515 L-TD China national standard GB 11120-89 L-TSA JIS K-2213 type 2 with additives | |
| | | | | | | | | | | |



| Brand name | ISO VG | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | Density at 15°C <i>g/cm³</i> | Pour Point °C | Flash Point °C | Specifications | | |
|------------------------|---|---|-------|-----------------|--|------------------|-------------------|--|--|---------------|
| | | 40°C | 100°C | | | | | Approved | Meets | Quality Level |
| TERESSTIC T 100 | 100 | 100 | 10,6 | 95 | 0,880 | -27 | 242 | Siemens TLV 9016 03 | DIN 51515 L-TD | |
| | <i>High quality turbine and circulation system oil. Designed for steam and light duty stationary gas turbines. Also land-based and marine steam and hydro-turbines.</i> | | | | | | | | | |
| TERESSTIC EP 46 | 46 | 46 | | 102 | 0,876 | -12 | 228 | Siemens TLV 9013 04 | DIN 51515 L-TD | |
| | <i>High quality turbine and circulation oil. Primarily designed for use in steam, gas and water turbine applications. Also suitable for use in some air compressors.</i> | | | | | | | | | |
| MOBIL DTE 832 | 32 | 30 | 5,4 | 110 | 0,860 | -30 | 224 | Siemens TLV 9013 04 Alstom Power HTGD 90 117 | Siemens Industrial Turbo Machinery MAT 812101, 812106, 812108 GE GEK 28143A, GE GEK 32568C, 32568E and 32568F GE GEK 46506D, GE GEK 101941A GE GEK 107395 Siemens Westinghouse PD-55125Z3 Solar ES 9-224 Class II JIS K-2213 type 2 with additives DIN 51515 L-TG | |
| | <i>Very high quality zinc free turbine oil for use in steam turbines, gas turbines and combined gas turbines (CCGT) applications. Also for use in gas and steam turbines. Made from hydrotreated base stocks.</i> | | | | | | | | | |



| Brand name | ISO VG | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | Density at 15°C <i>g/cm³</i> | Pour Point °C | Flash Point °C | Specifications | | |
|----------------------|--------|---|-------|-----------------|--|------------------|-------------------|--|---|---------------|
| | | 40°C | 100°C | | | | | Approved | Meets | Quality Level |
| MOBIL DTE 846 | 46 | 42 | 6,2 | 106 | 0,870 | -30 | 244 | Siemens TLV 9013 04 Alstom Power HTGD 90 117 | Siemens Industrial Turbo Machinery MAT 812102, 812107, 812109 GE GEK 28143A GEC Alstom NBA 50001A Solar ES 9-224 Class II JIS K-2213 type 2 with additives DIN 51515 L-TG DIN 51515 L-TD | |
| | | | | | | | | | | |
| MOBIL DTE 732 | 32 | 30 | 5,4 | 110 | 0,850 | -30 | 221 | Siemens TLV 9013 04 Alstom Power HTGD 90 117 | Siemens Industrial Turbo Machinery MAT 812101 GE GEK 28143A GE GEK 27070 GE GEK 32568F GE GEK 46506D GE Alsthom NPA 50001A Siemens PD -55125Z3 China National Standard GB11120-89 L-TSA JIS K-2213 type 2 with additives ISO 8068 L-TGB ISO 8068 L-TGSB DIN 51515 L-TG DIN 51515 L-TD ASTM D4304 Rev A typ III and type I (2006) | |
| | | | | | | | | | | |



| Brand name | ISO VG | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | Density at 15°C <i>g/cm³</i> | Pour Point °C | Flash Point °C | Specifications | | |
|-----------------------------|--------|---|-------|-----------------|--|------------------|-------------------|---|---|---------------|
| | | 40°C | 100°C | | | | | Approved | Meets | Quality Level |
| MOBIL DTE 746 | 46 | 44 | 6,8 | 106 | 0,860 | -30 | 232 | Siemens TLV 9013 04 Alstom Power HTGD 90 117 | Siemens Industrial Turbo Machinery MAT 812102 GE GEK 28143A GEC Alstom NPA 50001A China National Standard GB11120-89 L-TSA JIS K-2213 type 2 with additives SKODA TP 0010P/97 (CSN 65 6620) ISO 8068 L-TGB ISO 8068 L-TGSB DIN 51515 L-TG DIN 51515 L-TD ASTM D4304 Rev A typ III and type I (2006) | |
| | | | | | | | | | | |
| MOBIL DTE OIL LIGHT | 32 | 31 | 5,5 | 102 | 0,850 | -18 | 218 | | GE GEK 28143A GE GEK 46506D GE GEK 27070 JIS K-2213 type 2 with additives DIN 51515 L-TD DIN 51524 L-HL DIN 51517 L-CL | |
| | | | | | | | | | | |
| MOBIL DTE OIL MEDIUM | 46 | 45 | 6,9 | 98 | 0,860 | -15 | 221 | | GE GEK 28143A JIS K-2213 type 2 with additives DIN 51515 L-TD DIN 51524 L-HL DIN 51517 L-CL | |
| | | | | | | | | | | |



| Brand name | ISO VG | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | Density at 15°C <i>g/cm³</i> | Pour Point °C | Flash Point °C | Specifications | | |
|-----------------------------------|---|---|-------|-----------------|--|------------------|-------------------|---|--|---------------|
| | | 40°C | 100°C | | | | | Approved | Meets | Quality Level |
| MOBIL DTE OIL HEAVY MEDIUM | 68 | 65 | 8,7 | 95 | 0,870 | -15 | 223 | | JIS K-2213 type 2 with additives DIN 51515 L-TD DIN 51524 L-HL DIN 51517 L-CL | |
| | <i>Premium performance circulation oil for steam and hydroturbine sets. Also for continuous lubrication of plain and roller bearings. High thermal stability and rapid separation from water.</i> | | | | | | | | | |
| MOBIL SHC 824 | 32 | 30 | 5,6 | 130 | 0,846 | -54 | 240 | Siemens TLV 9013 04 Alstom Power HTGD 90 117 | Solar ES 9-224 Class I | |
| | <i>Fully synthetic turbine oil for the lubrication of stationary gas turbines. Very good low-temperature and viscosity/temperature properties and excellent oxidation stability. Effective protection against wear.</i> | | | | | | | | | |
| MOBIL SHC 825 | 46 | 44 | 7,5 | 130 | 0,848 | -54 | 240 | Siemens TLV 9013 04 Alstom Power HTGD 90 117 (gas turbines) | Solar ES 9-224 Class I | |
| | <i>Fully synthetic turbine oil for the lubrication of stationary gas turbines. Very good low-temperature and viscosity/temperature properties and excellent oxidation stability. Effective protection against wear.</i> | | | | | | | | | |



| Brand name | ISO VG | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | Density at 15°C <i>g/cm³</i> | Pour Point °C | Flash Point °C | Specifications | | |
|----------------------------|--------|---|-------|-----------------|--|------------------|-------------------|----------------|--|---------------|
| | | 40°C | 100°C | | | | | Approved | Meets | Quality Level |
| MOBIL VACUOLINE 128 | 150 | 150 | 14,8 | 96 | 0,890 | -9 | 280 | | Morgoil Advance Lubricant Specification Rev 2.3 26 Mar 2004 Morgoil Lubricant spec Rev 1.1 2006 DIN 51517 L-CL | |
| | | | | | | | | | | |
| MOBIL VACUOLINE 133 | 220 | 220 | 18,8 | 95 | 0,890 | -6 | 288 | | Morgoil Advance Lubricant Specification Rev 2.3 26 Mar 2004 Morgoil Lubricant spec Rev 1.1 2006 DIN 51517 L-CL | |
| | | | | | | | | | | |
| MOBIL VACUOLINE 137 | 320 | 320 | 23,9 | 95 | 0,900 | -9 | 286 | | Morgoil Advance Lubricant Specification Rev 2.3 26 Mar 2004 Morgoil Lubricant spec Rev 1.1 2006 DIN 51517 L-CL | |
| | | | | | | | | | | |
| MOBIL VACUOLINE 146 | 460 | 460 | 30,1 | 95 | 0,900 | -6 | 296 | | Morgoil Advance Lubricant Specification Rev 2.3 26 Mar 2004 Morgoil Lubricant spec Rev 1.1 2006 DIN 51517 L-CL | |
| | | | | | | | | | | |



| Brand name | ISO VG | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | Density at 15°C <i>g/cm³</i> | Pour Point °C | Flash Point °C | Specifications | | |
|----------------------------|--------|---|-------|-----------------|--|------------------|-------------------|----------------|--|---------------|
| | | 40°C | 100°C | | | | | Approved | Meets | Quality Level |
| MOBIL VACUOLINE 148 | 680 | 680 | 36,7 | 91 | 0,910 | -6 | 318 | | Morgoil Advance Lubricant Specification Rev 2.3 26 Mar 2004 Morgoil Lubricant spec Rev 1.1 2006 DIN 51517 L-CL | |
| | | | | | | | | | | |
| MOBIL VACUOLINE 525 | I | 93 | 10,7 | 99 | 0,880 | -21 | 264 | | Morgan No Twist Rod Mill Lubricant Specification | |
| | | | | | | | | | | |
| MOBIL VACUOLINE 528 | 150 | 146 | 14,4 | 96 | 0,890 | -21 | 272 | | | |
| | | | | | | | | | | |
| MOBIL VACUOLINE 533 | 220 | 218 | 18,8 | 96 | 0,890 | -18 | 284 | | | |
| | | | | | | | | | | |
| MOBIL VACUOLINE 537 | 320 | 325 | 24,4 | 96 | 0,900 | -12 | 288 | | | |
| | | | | | | | | | | |
| MOBIL VACUOLINE 546 | 460 | 436 | 29,4 | 95 | 0,900 | -15 | 286 | | | |
| | | | | | | | | | | |



| Brand name | ISO VG | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | Density at 15°C <i>g/cm³</i> | Pour Point °C | Flash Point °C | Specifications | | |
|----------------------|---|---|-------|-----------------|--|------------------|-------------------|--|-------|---------------|
| | | 40°C | 100°C | | | | | Approved | Meets | Quality Level |
| MOBIL SHC 624 | 32 | 32 | 6,3 | 159 | 0,849 | -54 | 230 | | | |
| | <i>Synthetic gear and bearing lubricant. Designed for use in hot and cold conditions. Excellent thermal and oxidation stability for long service life. For use in industrial enclosed gear sets and in heavily loaded plain and rolling element bearings.</i> | | | | | | | | | |
| MOBIL SHC 626 | 68 | 70 | 10,9 | 147 | 0,856 | -54 | 230 | Cincinnati Machine P-80 | | |
| | <i>Synthetic gear and bearing lubricant. Designed for use in hot and cold conditions. Excellent thermal and oxidation stability for long service life. For use in industrial enclosed gear sets and in heavily loaded plain and rolling element bearings.</i> | | | | | | | | | |
| MOBIL SHC 629 | ISO VG 150 | 143 | 18,3 | 144 | 0,862 | -45 | 230 | Flender BA 7300 Table A | | |
| | <i>Synthetic gear and bearing lubricant. Designed for use in hot and cold conditions. Excellent thermal and oxidation stability for long service life. For use in industrial enclosed gear sets and in heavily loaded plain and rolling element bearings.</i> | | | | | | | | | |
| MOBIL SHC 630 | ISO VG 220 | 216 | 25,2 | 152 | 0,865 | -39 | 238 | Flender BA 7300 Table A Cincinnati Machine P-74 | | |
| | <i>Synthetic gear and bearing lubricant. Designed for use in hot and cold conditions. Excellent thermal and oxidation stability for long service life. For use in industrial enclosed gear sets and in heavily loaded plain and rolling element bearings.</i> | | | | | | | | | |
| MOBIL SHC 632 | 320 | 326 | 38,6 | 169 | 0,866 | -36 | 250 | Flender BA 7300 Table A Cincinnati Machine P-59 | | |
| | <i>Synthetic gear and bearing lubricant. Designed for use in hot and cold conditions. Excellent thermal and oxidation stability for long service life. For use in industrial enclosed gear sets and in heavily loaded plain and rolling element bearings.</i> | | | | | | | | | |
| MOBIL SHC 634 | 460 | 436 | 44,9 | 159 | 0,867 | -36 | 262 | Flender BA 7300 Table A Cincinnati Machine P-35 | | |
| | <i>Synthetic gear and bearing lubricant. Designed for use in hot and cold conditions. Excellent thermal and oxidation stability for long service life. For use in industrial enclosed gear sets and in heavily loaded plain and rolling element bearings.</i> | | | | | | | | | |



| Brand name | ISO VG | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | Density at 15°C <i>g/cm³</i> | Pour Point °C | Flash Point °C | Specifications | | |
|--|--------|---|-------|-----------------|--|------------------|-------------------|--|-------|---------------|
| | | 40°C | 100°C | | | | | Approved | Meets | Quality Level |
| MOBIL SHC 639 | 1000 | 933 | 79,5 | 164 | 0,868 | -15 | 270 | Flender BA 7300 Table A Cincinnati Machine P-78 | | |
| <p><i>Synthetic gear and bearing lubricant. Designed for use in hot and cold conditions. Excellent thermal and oxidation stability for long service life. For use in industrial enclosed gear sets and in heavily loaded plain and rolling element bearings.</i></p> | | | | | | | | | | |



| Brand name | ISO VG | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | Density at 15°C <i>g/cm³</i> | Pour Point °C | Flash Point °C | Specifications | | |
|---------------------------------|---|---|-------|-----------------|--|------------------|-------------------|-------------------------|-------|---------------|
| | | 40°C | 100°C | | | | | Approved | Meets | Quality Level |
| MOBIL VELOCITE OIL NO 3 | 2 | 2,1 | 0,95 | | 0,802 | -36 | 84 | Cincinnati Machine P-65 | | |
| | <i>Premium performance oil for the lubrication of high-speed spindles in machine tools. Good oxidation and thermal resistance. Good resistance to foaming and readily separates from water.</i> | | | | | | | | | |
| MOBIL VELOCITE OIL NO 4 | | 4,8 | 1,53 | | 0,822 | -15 | 102 | | | |
| | <i>Premium performance oil for the lubrication of high-speed spindles in machine tools. Good oxidation and thermal resistance. Good resistance to foaming and readily separates from water.</i> | | | | | | | | | |
| MOBIL VELOCITE OIL NO 6 | 10 | 10 | 2,62 | | 0,844 | -15 | 180 | | | |
| | <i>Premium performance oil for the lubrication of high-speed spindles in machine tools. Good oxidation and thermal resistance. Good resistance to foaming and readily separates from water.</i> | | | | | | | | | |
| MOBIL VELOCITE OIL NO 10 | 22 | 22 | 22,1 | | 0,862 | -30 | 212 | | | |
| | <i>Premium performance oil for the lubrication of high-speed spindles in machine tools. Good oxidation and thermal resistance. Good resistance to foaming and readily separates from water.</i> | | | | | | | | | |
| MOBIL VACTRA OIL NO 1 | 32 | 32 | 5,3 | 96 | 0,883 | -9 | 218 | Cincinnati Machine P-53 | | |
| | <i>Premium-quality lubricant for the lubrication of horizontal and vertical slideways of modern machine tools. Outstanding stick-slip performance and rapid separation from water based cutting fluids.</i> | | | | | | | | | |
| MOBIL VACTRA OIL NO 2 | 68 | 68 | 8,6 | 96 | 0,883 | -9 | 218 | Cincinnati Machine P-47 | | |
| | <i>Premium-quality lubricant for the lubrication of horizontal and vertical slideways of modern machine tools. Outstanding stick-slip performance and rapid separation from water based cutting fluids.</i> | | | | | | | | | |
| MOBIL VACTRA OIL NO 3 | 150 | 150 | 14,5 | 96 | 0,887 | -9 | 230 | | | |
| | <i>Premium-quality lubricant for the lubrication of horizontal and vertical slideways of modern machine tools. Outstanding stick-slip performance and rapid separation from water based cutting fluids.</i> | | | | | | | | | |



| Brand name | ISO VG | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | Density at 15°C <i>g/cm³</i> | Pour Point °C | Flash Point °C | Specifications | | |
|---|--------|---|-------|--------------------|---|---------------------|----------------------|----------------------------|-------|---------------|
| | | 40°C | 100°C | | | | | Approved | Meets | Quality Level |
| MOBIL VACTRA OIL NO 4 | 220 | 220 | 18,3 | 96 | 0,892 | -6 | 242 | Cincinnati Machine P-50 | | |
| <i>Premium-quality lubricant for the lubrication of horizontal and vertical slideways of modern machine tools. Outstanding stick-slip performance and rapid separation from water based cutting fluids.</i> | | | | | | | | | | |



| Brand name | ISO VG | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | Density at 15°C <i>g/cm³</i> | Pour Point °C | Flash Point °C | Specifications | | |
|----------------------|--|---|-------|-----------------|--|------------------|-------------------|---------------------------------|--|-------------------------------------|
| | | 40°C | 100°C | | | | | Approved | Meets | Quality Level |
| NU TO H 32 | 32 | 32 | 5,4 | 95 | 0,872 | -24 | 212 | Denison HF-0 Cincinnati P-68 | DIN 51524 Part II ISO 11158 Type HM | Vickers I-286-S Vickers M-2950-S |
| | <i>Premium quality anti-wear hydraulic oil intended for industrial and mobile service applications, employing gear, vane, radial and axial piston pumps.</i> | | | | | | | | | |
| NU TO H 46 | 46 | 46 | 6,7 | 95 | 0,876 | -21 | 226 | Denison HF-0 Cincinnati P-69 | DIN 51524 Part II ISO 11158 Type HM | Vickers I-286-S Vickers M-2950-S |
| | <i>Premium quality anti-wear hydraulic oil intended for industrial and mobile service applications, employing gear, vane, radial and axial piston pumps.</i> | | | | | | | | | |
| NU TO H 68 | 68 | 68 | 8,5 | 95 | 0,882 | -18 | 234 | Denison HF-0 Cincinnati P-70 | DIN 51524 Part II ISO 11158 Type HM | Vickers I-286-S Vickers M-2950-S |
| | <i>Premium quality anti-wear hydraulic oil intended for industrial and mobile service applications, employing gear, vane, radial and axial piston pumps.</i> | | | | | | | | | |
| NU TO H 150 | 100 | 100 | 11,1 | 95 | 0,884 | -15 | 242 | | DIN 51524 Part II ISO 11158 Type HM | |
| | <i>Premium quality anti-wear hydraulic oil intended for industrial and mobile service applications, employing gear, vane, radial and axial piston pumps.</i> | | | | | | | | | |
| UNIVIS N 32 | 32 | 32 | 6,4 | 151 | 0,873 | -48 | 208 | | Vickers I-286-S Vickers M-2950-S DIN 51524 Part 3 ISO 11158 Type HV | Denison HF-0 |
| | <i>Premium high performance anti-wear hydraulic oil that exhibits high VI. Can be used in a wide variety of industrial, mobile and marine applications.</i> | | | | | | | | | |
| UNIVIS N 46 | 46 | 46 | 8,2 | 152 | 0,875 | -45 | 216 | | Vickers I-286-S Vickers M-2950-S DIN 51524 Part 3 ISO 11158 Type HV | Denison HF-0 |
| | <i>Premium high performance anti-wear hydraulic oil that exhibits high VI. Can be used in a wide variety of industrial, mobile and marine applications.</i> | | | | | | | | | |
| UNIVIS N 68 | 68 | 68 | 11 | 152 | 0,883 | -42 | 222 | | Vickers I-286-S Vickers M-2950-S DIN 51524 Part 3 ISO 11158 Type HV | Denison HF-0 |
| | <i>Premium high performance anti-wear hydraulic oil that exhibits high VI. Can be used in a wide variety of industrial, mobile and marine applications.</i> | | | | | | | | | |
| UNIVIS HVI 13 | | 14 | 5,3 | 384 | 0,872 | -60 | 101 | | | |
| | <i>Premium performance anti-wear hydraulic oil characterised by very high VI. Possess high resistance to viscosity change. Applications include severe hydraulic systems used in hydrostatic transmissions and dash pots, fine instruments and servo valves.</i> | | | | | | | | | |



| Brand name | ISO VG | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | Density at 15°C <i>g/cm³</i> | Pour Point °C | Flash Point °C | Specifications | | |
|-----------------------------------|--|---|-------|-----------------|--|------------------|-------------------|---|---|---------------|
| | | 40°C | 100°C | | | | | Approved | Meets | Quality Level |
| UNIVIS HVI 26 | | 26 | 9,3 | 360 | 0,878 | -60 | 103 | | ISO 6743-4 HV | |
| | <i>Premium performance anti-wear hydraulic oil characterised by very high VI. Possess high resistance to viscosity change. Applications include severe hydraulic systems used in hydrostatic transmissions and dash pots, fine instruments and servo valves.</i> | | | | | | | | | |
| MOBIL PYROTEC HFD 46 | 46 | 46 | | | | | 250 min | | | |
| | <i>Fire resistant phosphoric acid ester based HFD fluid. Designed especially for use in turbines and turbine control systems requiring HFD-R fluids.</i> | | | | | | | | | |
| MOBIL EAL HYDRAULIC OIL 32 | 32 | 32 | 7,1 | 195 | 0,91 | < -39 | > 320 | RAL BLUE ANGEL RAL-UZ 79 | WGK Non Water Hazardous ISO 15380 HEES Swedish standard SS 15 54 34 | |
| | <i>High quality, anti-wear environmentally aware hydraulic oil. Used in a wide range of mobile equipment in moderate service conditions.</i> | | | | | | | | | |
| MOBIL EAL HYDRAULIC OIL 46 | 46 | 46 | 9,6 | 160 | 0,917 | < -30 | 300 | RAL BLUE ANGEL RAL-UZ 79 | WGK Non Water Hazardous ISO 15380 HEES Swedish standard SS 15 54 34 | |
| | <i>High quality, anti-wear environmentally aware hydraulic oil. Used in a wide range of mobile equipment in moderate service conditions.</i> | | | | | | | | | |
| MOBIL SHC 522 | 15 | 15 | 3,6 | 135 | 0,855 | -54 | 210 | | | |
| | <i>Synthetic high performance anti-wear hydraulic oil. Very high VI for excellent low and high temperature performance. Maximum anti-wear protection for vane and piston pumps. Wide range of operating temperatures and shear stable.</i> | | | | | | | | | |
| MOBIL SHC 524 | 32 | 32 | 6,4 | 144 | 0,852 | -54 | 234 | Denison HF-0/HF-1/ HF-2 Cincinnati P-68 | | |
| | <i>Synthetic high performance anti-wear hydraulic oil. Very high VI for excellent low and high temperature performance. Maximum anti-wear protection for vane and piston pumps. Wide range of operating temperatures and shear stable.</i> | | | | | | | | | |



| Brand name | ISO VG | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | Density at 15°C <i>g/cm³</i> | Pour Point °C | Flash Point °C | Specifications | | |
|----------------------|---|---|-------|-----------------|--|------------------|-------------------|--|---------------------------------------|---------------|
| | | 40°C | 100°C | | | | | Approved | Meets | Quality Level |
| MOBIL SHC 525 | I | 46 | 8,5 | 154 | 0,851 | -54 | 238 | Denison HF-0/HF-1/ HF-2 Cincinnati P-70 | | |
| | <i>Synthetic high performance anti-wear hydraulic oil. Very high VI for excellent low and high temperature performance. Maximum anti-wear protection for vane and piston pumps. Wide range of operating temperatures and shear stable.</i> | | | | | | | | | |
| MOBIL SHC 526 | 68 | 68 | 11,5 | 158 | 0,854 | -48 | 216 | Denison HF-0/HF-1/ HF-2 Cincinnati P-69 | | |
| | <i>Synthetic high performance anti-wear hydraulic oil. Very high VI for excellent low and high temperature performance. Maximum anti-wear protection for vane and piston pumps. Wide range of operating temperatures and shear stable.</i> | | | | | | | | | |
| MOBIL DTE 21 | 10 | 10 | 2,7 | 85 min | 0,845 | < -24 | > 166 | Denison HF-0 Vickers I-286-S Vickers M-2950-S | DIN 51524 Part 2 ISO 11158 Type HM | |
| | <i>Premium quality anti-wear industrial hydraulic fluid. Optimum balance of high quality base stocks with anti-wear agents for maximised keep clean and anti-wear protection. Long service life and good filterability even in the presence of water.</i> | | | | | | | | | |
| MOBIL DTE 22 | 22 | 21 | 4,5 | 98 | 0,860 | -30 | 200 | Denison HF-0 Vickers I-286-S Vickers M-2950-S | DIN 51524 Part 2 ISO 11158 Type HM | |
| | <i>Premium quality anti-wear industrial hydraulic fluid. Optimum balance of high quality base stocks with anti-wear agents for maximised keep clean and anti-wear protection. Long service life and good filterability even in the presence of water.</i> | | | | | | | | | |
| MOBIL DTE 24 | 32 | 31 | 5,3 | 98 | 0,871 | -27 | 220 | Denison HF-0/HF-1/ HF-2 Vickers I-286-S Vickers M-2950-S Cincinnati P-68 | DIN 51524 Part 2 ISO 11158 Type HM | |
| | <i>Premium quality anti-wear industrial hydraulic fluid. Optimum balance of high quality base stocks with anti-wear agents for maximised keep clean and anti-wear protection. Long service life and good filterability even in the presence of water.</i> | | | | | | | | | |
| MOBIL DTE 25 | 46 | 44 | 6,6 | 98 | 0,876 | -27 | 232 | Denison HF-0/HF-1/ HF-2 Vickers I-286-S Vickers M-2950-S Cincinnati P-70 | DIN 51524 Part 2 ISO 11158 Type HM | |
| | <i>Premium quality anti-wear industrial hydraulic fluid. Optimum balance of high quality base stocks with anti-wear agents for maximised keep clean and anti-wear protection. Long service life and good filterability even in the presence of water.</i> | | | | | | | | | |



| Brand name | ISO VG | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | Density at 15°C <i>g/cm³</i> | Pour Point °C | Flash Point °C | Specifications | | |
|----------------------|---|---|-------|-----------------|--|------------------|-------------------|--|---------------------------------------|---------------|
| | | 40°C | 100°C | | | | | Approved | Meets | Quality Level |
| MOBIL DTE 26 | 68 | 71 | 8,5 | 98 | 0,881 | -21 | 236 | Denison HF-0/HF-1/ HF-2 Vickers I-286-S Vickers M-2950-S Cincinnati P-69 | DIN 51524 Part 2 ISO 11158 Type HM | |
| | <i>Premium quality anti-wear industrial hydraulic fluid. Optimum balance of high quality base stocks with anti-wear agents for maximised keep clean and anti-wear protection. Long service life and good filterability even in the presence of water.</i> | | | | | | | | | |
| MOBIL DTE 27 | 100 | 100 | 10,9 | 95 min | 0,887 | < -15 | 212 min | | | |
| | <i>Premium quality anti-wear industrial hydraulic fluid. Optimum balance of high quality base stocks with anti-wear agents for maximised keep clean and anti-wear protection. Long service life and good filterability even in the presence of water.</i> | | | | | | | | | |
| MOBIL DTE 11M | 15 | 15 | 3,7 | 140 | 0,859 | -42 | 188 | Denison HF-0 Vickers I-286-S Vickers M-2950-S | DIN 51524 Part 3 ISO 11158 Type HV | |
| | <i>Supreme performance high VI anti-wear hydraulic oil. Optimum flow properties even at sub-zero temperatures. Shear stable for long service life. Maximised keep clean and anti-wear performance.</i> | | | | | | | | | |
| MOBIL DTE 13M | 32 | 32 | 6,1 | 141 | 0,874 | -45 | 210 | Vickers I-286-S Vickers M-2950-S | DIN 51524 Part 3 ISO 11158 Type HV | |
| | <i>Supreme performance high VI anti-wear hydraulic oil. Optimum flow properties even at sub-zero temperatures. Shear stable for long service life. Maximised keep clean and anti-wear performance.</i> | | | | | | | | | |
| MOBIL DTE 15M | I | 46 | 7,9 | 141 | 0,879 | -42 | 216 | Vickers I-286-S Vickers M-2950-S | DIN 51524 Part 3 ISO 11158 Type HV | |
| | <i>Supreme performance high VI anti-wear hydraulic oil. Optimum flow properties even at sub-zero temperatures. Shear stable for long service life. Maximised keep clean and anti-wear performance.</i> | | | | | | | | | |
| MOBIL DTE 16M | 68 | 68 | 10 | 141 | 0,884 | -45 | 218 | Vickers I-286-S | DIN 51524 Part 3 ISO 11158 Type HV | |
| | <i>Supreme performance high VI anti-wear hydraulic oil. Optimum flow properties even at sub-zero temperatures. Shear stable for long service life. Maximised keep clean and anti-wear performance.</i> | | | | | | | | | |
| MOBIL DTE 18M | 100 | 100 | 12,8 | 124 | 0,888 | -36 | 228 | | | |
| | <i>Supreme performance high VI anti-wear hydraulic oil. Optimum flow properties even at sub-zero temperatures. Shear stable for long service life. Maximised keep clean and anti-wear performance.</i> | | | | | | | | | |



| Brand name | ISO VG | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | Density at 15°C <i>g/cm³</i> | Pour Point °C | Flash Point °C | Specifications | | |
|---|--------|---|-------|-----------------|--|------------------|-------------------|--|---------------------------------------|---------------|
| | | 40°C | 100°C | | | | | Approved | Meets | Quality Level |
| MOBIL DTE 19M | 150 | 150 | 16,6 | 118 | 0,895 | -36 | 268 | | | |
| <p><i>Supreme performance high VI anti-wear hydraulic oil. Optimum flow properties even at sub-zero temperatures. Shear stable for long service life. Maximised keep clean and anti-wear performance.</i></p> | | | | | | | | | | |
| MOBIL DTE EXCEL 32 | 32 | 32 | 5,4 | 97 | 0,873 | -33 | 200 | Denison HF-0 Vickers I-286-S Vickers M-2950-S Cincinnati P-68 | DIN 51524 Part 2 ISO 11158 Type HM | |
| <p><i>Premium quality, zinc-free anti-wear hydraulic oil. Unique additive systems gives outstanding thermal, oxidative and hydrolytic stability, even in the presence of water and waterbased cutting fluids.</i></p> | | | | | | | | | | |
| MOBIL DTE EXCEL 46 | 46 | 46 | 6,5 | 97 | 0,877 | -33 | 226 | Denison HF-0 Vickers I-286-S Vickers M-2950-S Cincinnati P-70 | DIN 51524 Part 2 ISO 11158 Type HM | |
| <p><i>Premium quality, zinc-free anti-wear hydraulic oil. Unique additive systems gives outstanding thermal, oxidative and hydrolytic stability, even in the presence of water and waterbased cutting fluids.</i></p> | | | | | | | | | | |
| MOBIL DTE EXCEL 68 | 68 | 68 | 8,5 | 97 | 0,883 | -33 | 207 | Denison HF-0 Vickers I-286-S Vickers M-2950-S Cincinnati P-69 | DIN 51524 Part 2 ISO 11158 Type HM | |
| <p><i>Premium quality, zinc-free anti-wear hydraulic oil. Unique additive systems gives outstanding thermal, oxidative and hydrolytic stability, even in the presence of water and waterbased cutting fluids.</i></p> | | | | | | | | | | |
| MOBIL DTE EXCEL 100 | 100 | 95 | 10,8 | 97 | 0,885 | -24 | 201 | Denison HF-0 Vickers I-286-S Vickers M-2950-S | DIN 51524 Part 2 ISO 11158 Type HM | |
| <p><i>Premium quality, zinc-free anti-wear hydraulic oil. Unique additive systems gives outstanding thermal, oxidative and hydrolytic stability, even in the presence of water and waterbased cutting fluids.</i></p> | | | | | | | | | | |
| MOBIL DTE EXCEL 150 | 150 | 150 | 14,5 | 95 | 0,889 | -24 | 238 | Denison HF-0 Vickers I-286-S Vickers M-2950-S | | |
| <p><i>Premium quality, zinc-free anti-wear hydraulic oil. Unique additive systems gives outstanding thermal, oxidative and hydrolytic stability, even in the presence of water and waterbased cutting fluids.</i></p> | | | | | | | | | | |



| Brand name | ISO VG | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | Density at 15°C <i>g/cm³</i> | Pour Point °C | Flash Point °C | Specifications | | |
|---|--------|---|-------|--------------------|---|---------------------|----------------------|----------------|-------|---------------|
| | | 40°C | 100°C | | | | | Approved | Meets | Quality Level |
| QUINTOLUBRIC 888-68 | 68 | 68 | 11,5 | 165 | 0,911 | -24 | | | | |
| <i>High performance fire resistant hydraulic fluid. Based on synthetic polyolester basestocks HF-DU type. Good compatibilty with elastomers. Used where fire hazard and environmental considerations are important.</i> | | | | | | | | | | |



| Brand name | ISO VG | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | Density at 15°C <i>g/cm³</i> | Pour Point °C | Flash Point °C | Specifications | | |
|---|--|---|-------|-----------------|--|------------------|-------------------|----------------|-------|---------------|
| | | 40°C | 100°C | | | | | Approved | Meets | Quality Level |
| MOBIL 600 W SUPER CYLINDER OIL | 460 | 460 | 30,5 | 95 | 0,907 | -6 | 282 | | | |
| | <i>Extra high performance, high viscosity oil for steam cylinders. Lubrication of high load and slow moving bearings and gears. Also suitable for use in worm gears.</i> | | | | | | | | | |
| MOBIL EXTRA HECLA SUPER CYLINDER OIL | 1000 | 1000 | 42 | 80 | 0,925 | 3 | 288 | | | |
| | <i>Extra high performance, high viscosity oil for steam cylinders. Lubrication of high load and slow moving bearings and gears. Also suitable for use in worm gears.</i> | | | | | | | | | |



| Brand name | ISO VG | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | Density at 15°C <i>g/cm³</i> | Pour Point °C | Flash Point °C | Specifications | | |
|-----------------------------|---|---|-------|-----------------|--|------------------|-------------------|--|---|---------------|
| | | 40°C | 100°C | | | | | Approved | Meets | Quality Level |
| MOBILGEAR 600 XP 68 | 68 | 68 | 8,8 | 101 | 0,88 | -27 | 230 | | AGMA 9005-E02-EP DIN 51517-3 ISO 12925-1 Type CKD Textron Type E-2 | |
| | <i>Extra high performance gear oil having outstanding extreme pressure characteristics and load-carrying properties, intended for use in all types of enclosed gear drives with circulation or splash lubrication systems.</i> | | | | | | | | | |
| MOBILGEAR 600 XP 100 | 100 | 100 | 11,2 | 97 | 0,884 | -24 | 230 | Flender BA 7300 Table A Müller-Weingarten DT 55 005 | AGMA 9005-E02-EP DIN 51517-3 ISO 12925-1 Type CKD Textron Type E-3 | |
| | <i>Extra high performance gear oil having outstanding extreme pressure characteristics and load-carrying properties, intended for use in all types of enclosed gear drives with circulation or splash lubrication systems.</i> | | | | | | | | | |
| MOBILGEAR 600 XP 150 | 150 | 150 | 14,7 | 97 | 0,888 | -24 | 230 | Flender BA 7300 Table A Müller-Weingarten DT 55 005 | AGMA 9005-E02-EP DIN 51517-3 ISO 12925-1 Type CKD Textron Type E-4 | |
| | <i>Extra high performance gear oil having outstanding extreme pressure characteristics and load-carrying properties, intended for use in all types of enclosed gear drives with circulation or splash lubrication systems.</i> | | | | | | | | | |
| MOBILGEAR 600 XP 220 | 220 | 220 | 19 | 97 | 0,894 | -24 | 240 | Flender BA 7300 Table A Müller-Weingarten DT 55 005 | AGMA 9005-E02-EP DIN 51517-3 ISO 12925-1 Type CKD Textron Type E-5 | |
| | <i>Extra high performance gear oils having outstanding extreme pressure characteristics and load-carrying properties, intended for use in all types of enclosed gear drives with circulation or splash lubrication systems.</i> | | | | | | | | | |
| MOBILGEAR 600 XP 320 | 320 | 320 | 24,1 | 98 | 0,900 | | 240 | Flender BA 7300 Table A Müller-Weingarten DT 55 005 | AGMA 9005-E06-EP DIN 51517 CLP (2004) ISO 12925-1 Type L-CKD | |
| | <i>Extra high performance gear oil having outstanding extreme pressure characteristics and load-carrying properties. Intended for use in all types of enclosed gear drives with circulation or splash lubrication systems.</i> | | | | | | | | | |



| Brand name | ISO VG | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | Density at 15°C <i>g/cm³</i> | Pour Point °C | Flash Point °C | Specifications | | |
|-----------------------------|--------|---|-------|-----------------|--|------------------|-------------------|--|--|---------------|
| | | 40°C | 100°C | | | | | Approved | Meets | Quality Level |
| MOBILGEAR 600 XP 460 | 460 | 460 | 30,6 | 98 | 0,904 | | 240 | Flender BA 7300 Table A Müller-Weingarten DT 55 005 | AGMA 9005-E07-EP DIN 51517 CLP (2004) ISO 12925-1 Type CKC | |
| | | | | | | | | | | |
| MOBILGEAR 600 XP 680 | 680 | 680 | 36,4 | 98 | 0,914 | | 240 | Flender BA 7300 Table A | AGMA 9005-E08-EP DIN 51517 CLP (2004) ISO 12925-1 Type CKC | |
| | | | | | | | | | | |
| MOBILGEAR XMP 100 | 100 | 100 | 11,1 | 96 | 0,890 | -30 | 250 | Flender BA 7300 Table A | DIN 51517-3 ISO 12925-1 Type CKC | |
| | | | | | | | | | | |
| MOBILGEAR XMP 150 | 150 | 150 | 14,6 | 96 | 0,896 | -27 | 258 | Flender BA 7300 Table A | DIN 51517-3 ISO 12925-1 Type CKC | |
| | | | | | | | | | | |
| MOBILGEAR XMP 220 | 220 | 220 | 18,8 | 96 | 0,900 | -24 | 265 | Flender BA 7300 Table A | AGMA 9005-D94 5-EP DIN 51517-3 ISO 12925-1 Type CKC | |
| | | | | | | | | | | |
| MOBILGEAR XMP 320 | 320 | 320 | 24,1 | 96 | 0,903 | -18 | 268 | Flender BA 7300 Table A | AGMA 9005-D94 6-EP DIN 51517-3 ISO 12925-1 Type CKC | |
| | | | | | | | | | | |



| Brand name | ISO VG | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | Density at 15°C <i>g/cm³</i> | Pour Point °C | Flash Point °C | Specifications | | |
|------------------------------|--------|---|-------|--------------------|---|---------------------|----------------------|----------------------------|---|---------------|
| | | 40°C | 100°C | | | | | Approved | Meets | Quality Level |
| MOBILGEAR XMP 460 | 460 | 460 | 30,6 | 96 | 0,907 | -12 | 270 | Flender BA 7300 Table A | AGMA 9005-D94 7-EP DIN 51517-3 ISO 12925-1 Type CKC | |
| | | | | | | | | | | |
| MOBILGEAR SHC XMP 150 | 150 | 150 | 20,7 | 161 | 0,855 | -48 | 240 | | AGMA 9005-D94 4S DIN 51517-3 | |
| | | | | | | | | | | |
| MOBILGEAR SHC XMP 220 | 220 | 220 | 27,8 | 163 | 0,859 | -45 | 240 | | AGMA 9005-D94 5S DIN 51517-3 | |
| | | | | | | | | | | |
| MOBILGEAR SHC XMP 320 | 320 | 335 | 38,3 | 164 | 0,860 | -39 | 240 | | AGMA 9005-D94 6S DIN 51517-3 | |
| | | | | | | | | | | |
| MOBILGEAR SHC XMP 460 | 460 | 460 | 48,7 | 166 | 0,863 | -36 | 240 | | AGMA 9005-D94 7S DIN 51517-3 | |
| | | | | | | | | | | |
| MOBILGEAR SHC XMP 680 | 680 | 680 | 65,3 | 168 | 0,866 | -30 | 240 | | AGMA 9005-D94 8S DIN 51517-3 | |
| | | | | | | | | | | |



| Brand name | ISO VG | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | Density at 15°C <i>g/cm³</i> | Pour Point °C | Flash Point °C | Specifications | | |
|---------------------------|--|---|----------------------------|--------------------|---|---------------------|--------------------------|----------------|-------|---------------|
| | | 40°C | 100°C | | | | | Approved | Meets | Quality Level |
| MOBILTAC 325 NC | | 5000 with solvent | 1600 without solvent | | 0,960 | | > 120 with solvent | | | |
| | <i>High quality, diluent-type lubricant for lubrication of large, slow moving, heavily loaded open gears. Resistant to rain, snow and process water washing.</i> | | | | | | | | | |
| MOBILTAC 375 NC | | 5000 with solvent | 1600 without solvent | | 0,960 | | > 120 with solvent | | | |
| | <i>High quality, diluent-type lubricant for lubrication of large, slow moving, heavily loaded open gears. Resistant to rain, snow and process water washing.</i> | | | | | | | | | |
| MOBILGEAR SHC 3200 | 3200 | 3025 | 171 | 165 | 0,883 | -12 | 240 | | | |
| | <i>Very high viscosity, extra heavy-duty synthetic lubricant for low speed, enclosed industrial gears and plain and rolling bearings. Does not contain any solvent.</i> | | | | | | | | | |
| MOBILGEAR SHC 6800 | I | 8100 | 357 | 175 | 0,897 | | 240 | | | |
| | <i>Very high viscosity, extra heavy-duty synthetic lubricant for low speed, enclosed industrial gears and plain and rolling bearings. Does not contain any solvent.</i> | | | | | | | | | |
| MOBILGEAR SHC 22M | | 22000 | 700 | 180 | 0,89 | 6 | 240 | | | |
| | <i>Synthetic, supreme performance, ultra high viscosity lubricant intended for use in heavily loaded open gears. Can be pumped over long distances and can use standard spray application equipment. Does not contain any solvent.</i> | | | | | | | | | |
| MOBILGEAR SHC 46M | | 46000 | 1375 | 180 | 0,924 | 15 | 240 | | | |
| | <i>Synthetic, supreme performance, ultra high viscosity lubricant intended for use in heavily loaded open gears. Can be pumped over long distances and can use standard spray application equipment. Does not contain any solvent.</i> | | | | | | | | | |
| MOBIL GLYGOYLE 11 | | 85 | 11,5 | 137 | | -45 | 226 | | | |
| | <i>High performance, poly-alkylene-glycol (PAG) based lubricant. For use in extreme temperature gear, bearing and circulation applications. Not miscible with mineral oils.</i> | | | | | | | | | |
| MOBIL GLYGOYLE 22 | I | 177 | 25,1 | 173 | | -42 | 229 | | | |
| | <i>High performance, poly-alkylene-glycol (PAG) based lubricant. For use in extreme temperature gear, bearing and circulation applications. Not miscible with mineral oils.</i> | | | | | | | | | |



| Brand name | ISO VG | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | Density at 15°C <i>g/cm³</i> | Pour Point °C | Flash Point °C | Specifications | | |
|---------------------------|--|---|-------|--------------------|---|---------------------|----------------------|----------------|-------|-------------------|
| | | 40°C | 100°C | | | | | Approved | Meets | Quality Level |
| MOBIL GLYGOYLE 30 | 220 | 224 | 30,9 | 181 | | -42 | 221 | | | |
| | <i>High performance, poly-alkylene-glycol (PAG) based lubricant. For use in extreme temperature gear, bearing and circulation applications. Not miscible with mineral oils.</i> | | | | | | | | | |
| MOBIL GLYGOYLE 220 | 220 | 220 | 38,1 | 225 | 1,077 | -30 | 270 | | | NSF H1 registered |
| | <i>Fully synthetic, high performance polyalkylene glycol (PAG) worm gear lubricant. Provide excellent EP/anti-wear protection, corrosion and rust protection and foam resistance. Compatible with most seals and gaskets, but not with mineral oils. Plain and rolling contact bearings in wide variety of applications.</i> | | | | | | | | | |
| MOBIL GLYGOYLE 320 | 320 | 320 | 55,2 | 240 | 1,077 | -30 | 270 | | | NSF H1 registered |
| | <i>Fully synthetic, high performance polyalkylene glycol (PAG) worm gear lubricant. Provide excellent EP/anti-wear protection, corrosion and rust protection and foam resistance. Compatible with most seals and gaskets, but not with mineral oils. Plain and rolling contact bearings in wide variety of applications.</i> | | | | | | | | | |
| MOBIL GLYGOYLE 460 | 460 | 460 | 78,2 | 253 | 1,076 | -30 | 265 | | | NSF H1 registered |
| | <i>Fully synthetic, high performance polyalkylene glycol (PAG) worm gear lubricant. Provide excellent EP/anti-wear protection, corrosion and rust protection and foam resistance. Compatible with most seals and gaskets, but not with mineral oils. Plain and rolling contact bearings in wide variety of applications.</i> | | | | | | | | | |
| MOBIL GLYGOYLE 680 | 680 | 680 | 113 | 267 | 1,076 | -30 | 265 | | | NSF H1 registered |
| | <i>Fully synthetic, high performance polyalkylene glycol (PAG) worm gear lubricant. Provide excellent EP/anti-wear protection, corrosion and rust protection and foam resistance. Compatible with most seals and gaskets, but not with mineral oils. Plain and rolling contact bearings in wide variety of applications.</i> | | | | | | | | | |



| Brand name | ISO VG | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | Density at 15°C <i>g/cm³</i> | Pour Point °C | Flash Point °C | Specifications | | |
|--------------------------------------|--|---|-------|--------------------|---|---------------------|----------------------|----------------|---------------------|-------------------|
| | | 40°C | 100°C | | | | | Approved | Meets | Quality Level |
| GARGOYLE ARCTIC SHC 224 | 32 | | | | | | | | FDA 21 CFR 178.3570 | NSF H1 registered |
| | <i>Fully synthetic, supreme performance lubricant, specifically designed for use in refrigeration compressors and heat pumps. Outstanding resistance to thermal/oxidative degradation. Suitable for use with Ammonia, R-22 and other HCFCs and carbon dioxide.</i> | | | | | | | | | |
| GARGOYLE ARCTIC SHC 226E | 68 | 67 | 10,1 | 136 | 0,835 | -45 | 266 | | | NSF H1 registered |
| | <i>Fully synthetic, supreme performance lubricant, specifically designed for use in refrigeration compressors and heat pumps. Outstanding resistance to thermal/oxidative degradation. Suitable for use with Ammonia, R-22 and other HCFCs and carbon dioxide.</i> | | | | | | | | | |
| GARGOYLE ARCTIC SHC 228 | 100 | 97 | 13,7 | 147 | 0,838 | -45 | 255 | | | NSF H1 registered |
| | <i>Fully synthetic, supreme performance lubricant, specifically designed for use in refrigeration compressors and heat pumps. Outstanding resistance to thermal/oxidative degradation. Suitable for use with Ammonia, R-22 and other HCFCs and carbon dioxide.</i> | | | | | | | | | |
| GARGOYLE ARCTIC SHC 230 | 220 | 220 | 25 | 149 | 0,846 | -39 | 260 | | FDA 21 CFR 178.3570 | NSF H1 registered |
| | <i>Fully synthetic, supreme performance lubricant, specifically designed for use in refrigeration compressors and heat pumps. Outstanding resistance to thermal/oxidative degradation. Suitable for use with Ammonia, R-22 and other HCFCs and carbon dioxide.</i> | | | | | | | | | |
| GARGOYLE ARCTIC SHC NH 68 | 68 | 64 | 8,5 | 111 | 0,850 | -54 | 211 | | | |
| | <i>Fully synthetic refrigeration compressor oil blended with PAO and alkyl benzene basestocks. Recommended for screw and reciprocating compressors, using ammonia as refrigerant.</i> | | | | | | | | | |
| GARGOYLE ARCTIC OIL 155 | 32 | 32 | | | 0,910 | < -33 | 166 min | | | |
| | <i>High performance naphthenic mineral oil for refrigeration compressors. Low pour point and excellent fluidity at very low temperatures. Food freezing, cold storage plants and marine applications. For ammonia refrigerant but also selected halocarbons. Not for HFC refrigerants.</i> | | | | | | | | | |
| GARGOYLE ARCTIC C HEAVY | 46 | 46 | | | 0,910 | < -33 | 170 min | | | |
| | <i>High performance naphthenic mineral oil for refrigeration compressors. Low pour point and excellent fluidity at very low temperatures. Food freezing, cold storage plants and marine applications. For ammonia refrigerant but also selected halocarbons. Not for HFC refrigerants.</i> | | | | | | | | | |



Refrigeration Oils



| Brand name | ISO VG | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | Density at 15°C <i>g/cm³</i> | Pour Point °C | Flash Point °C | Specifications | | |
|--|--------|---|-------|--------------------|---|---------------------|----------------------|----------------|-------|---------------|
| | | 40°C | 100°C | | | | | Approved | Meets | Quality Level |
| GARGOYLE ARCTIC OIL 300 | 68 | 68 | | | 0,910 | < -30 | 180 min | | | |
| <p><i>High performance naphthenic mineral oil for refrigeration compressors. Low pour point and excellent fluidity at very low temperatures. Food freezing, cold storage plants and marine applications. For ammonia refrigerant but also selected halocarbons. Not for HFC refrigerants.</i></p> | | | | | | | | | | |
| MOBIL EAL ARCTIC 15 | 15 | 16 | 3,6 | 108 | 1,020 | -60 | 236 | | | |
| <p><i>Fully synthetic, high performance Environmental Awareness Lubricant (EAL) for refrigeration compressors using ozone-friendly HFC refrigerants. Based on synthesised polyol esters (POEs). Miscible with HFC refrigerants. Suitable for household and commercial refrigeration and air conditioning systems in shopping malls and hotels and low temperature transportation.</i></p> | | | | | | | | | | |
| MOBIL EAL ARCTIC 22 | 22 | 23 | 4,6 | 130 | 1,000 | -57 | 236 | | | |
| <p><i>Fully synthetic, high performance Environmental Awareness Lubricant (EAL) for refrigeration compressors using ozone-friendly HFC refrigerants. Based on synthesised polyol esters (POEs). Miscible with HFC refrigerants. Suitable for household and commercial refrigeration and air conditioning systems in shopping malls and hotels and low temperature transportation.</i></p> | | | | | | | | | | |
| MOBIL EAL ARCTIC 22CC | 22 | 24 | 4,8 | 129 | 0,991 | -54 | 235 | | | |
| <p><i>Fully synthetic, high performance Environmental Awareness Lubricant (EAL) for refrigeration compressors using ozone-friendly HFC refrigerants. Based on synthesised polyol esters (POEs). Miscible with HFC refrigerants. Suitable for household and commercial refrigeration and air conditioning systems in shopping malls and hotels and low temperature transportation. Mobil EAL Arctic 22CC is for Copeland compressors.</i></p> | | | | | | | | | | |
| MOBIL EAL ARCTIC 32 | 32 | 34 | 5,8 | 115 | 0,985 | -48 | 236 | | | |
| <p><i>Fully synthetic, high performance Environmental Awareness Lubricant (EAL) for refrigeration compressors using ozone-friendly HFC refrigerants. Based on synthesised polyol esters (POEs). Miscible with HFC refrigerants. Suitable for household and commercial refrigeration and air conditioning systems in shopping malls and hotels and low temperature transportation.</i></p> | | | | | | | | | | |
| MOBIL EAL ARCTIC 46 | 46 | 46 | 7,3 | 104 | 0,975 | -42 | 235 | | | |
| <p><i>Fully synthetic, high performance Environmental Awareness Lubricant (EAL) for refrigeration compressors using ozone-friendly HFC refrigerants. Based on synthesised polyol esters (POEs). Miscible with HFC refrigerants. Suitable for household and commercial refrigeration and air conditioning systems in shopping malls and hotels and low temperature transportation.</i></p> | | | | | | | | | | |



| Brand name | ISO VG | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | Density at 15°C <i>g/cm³</i> | Pour Point °C | Flash Point °C | Specifications | | |
|---|--------|---|-------|-----------------|--|------------------|-------------------|----------------|-------|---------------|
| | | 40°C | 100°C | | | | | Approved | Meets | Quality Level |
| MOBIL EAL ARCTIC 68 | 68 | 65 | 8,3 | 101 | 0,976 | -36 | 240 | | | |
| <p><i>Fully synthetic, high performance Environmental Awareness Lubricant (EAL) for refrigeration compressors using ozone-friendly HFC refrigerants. Based on synthesised polyol esters (POEs). Miscible with HFC refrigerants. Suitable for household and commercial refrigeration and air conditioning systems in shopping malls and hotels and low temperature transportation.</i></p> | | | | | | | | | | |
| MOBIL EAL ARCTIC 100 | 100 | 98 | 10,5 | 92 | 0,966 | -30 | 250 | | | |
| <p><i>Fully synthetic, high performance Environmental Awareness Lubricant (EAL) for refrigeration compressors using ozone-friendly HFC refrigerants. Based on synthesised polyol esters (POEs). Miscible with HFC refrigerants. Suitable for household and commercial refrigeration and air conditioning systems in shopping malls and hotels and low temperature transportation.</i></p> | | | | | | | | | | |
| MOBIL EAL ARCTIC 220 | 220 | 220 | 18,5 | 90 | 0,960 | < -21 | 250 | | | |
| <p><i>Fully synthetic, high performance Environmental Awareness Lubricant (EAL) for refrigeration compressors using ozone-friendly HFC refrigerants. Based on synthesised polyol esters (POEs). Miscible with HFC refrigerants. Suitable for household and commercial refrigeration and air conditioning systems in shopping malls and hotels and low temperature transportation.</i></p> | | | | | | | | | | |
| MOBIL ZERICE S 32 | 32 | 32 | | | 0,910 | -42 | 190 | | | |
| <p><i>Synthetic, premium quality refrigeration compressor oil. Based on alkyl benzenes. For a range of industrial reciprocating and rotary compressors with fluorocarbon refrigerants such as R502 and R12.</i></p> | | | | | | | | | | |
| MOBIL ZERICE S 46 | 46 | 46 | 5,7 | | 0,865 | -36 | 172 | | | |
| <p><i>Synthetic, premium quality refrigeration compressor oil. Based on alkyl benzenes. For a range of industrial reciprocating and rotary compressors with fluorocarbon refrigerants such as R502 and R12.</i></p> | | | | | | | | | | |
| MOBIL ZERICE S 68 | 68 | 64 | 6,5 | | 0,870 | -33 | 186 | | | |
| <p><i>Synthetic, premium quality refrigeration compressor oil. Based on alkyl benzenes. For a range of industrial reciprocating and rotary compressors with fluorocarbon refrigerants such as R502 and R12.</i></p> | | | | | | | | | | |
| MOBIL ZERICE S 100 | 100 | 98 | 8,1 | | 0,870 | -30 | 196 | | | |
| <p><i>Synthetic, premium quality refrigeration compressor oil. Based on alkyl benzenes. For a range of industrial reciprocating and rotary compressors with fluorocarbon refrigerants such as R502 and R12.</i></p> | | | | | | | | | | |



| Brand name | ISO VG | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | Density at 15°C <i>g/cm³</i> | Pour Point °C | Flash Point °C | Specifications | | |
|---|--------|---|-------|--------------------|---|---------------------|----------------------|----------------|-------------------------------------|---------------|
| | | 40°C | 100°C | | | | | Approved | Meets | Quality Level |
| MOBIL RARUS SHC 1024 | 32 | 32 | 5.6 | 127 | 0,846 | -39 | 245 | | | |
| <i>Fully synthetic, supreme performance oil for the lubrication of rotary screw and vane air compressors. Reduced deposit formation. Stationary and mobile applications. Long service life.</i> | | | | | | | | | | |
| MOBIL RARUS SHC 1025 | 46 | 46 | 7.2 | 131 | 0.849 | -48 | 236 | | | |
| <i>Fully synthetic, supreme performance oil for the lubrication of rotary screw and vane air compressors. Reduced deposit formation. Stationary and mobile applications. Long service life.</i> | | | | | | | | | | |
| MOBIL RARUS SHC 1026 | 68 | 67 | 10.4 | 144 | 0,854 | -45 | 246 | | | |
| <i>Fully synthetic, supreme performance oil for the lubrication of rotary screw and vane air compressors. Reduced deposit formation. Stationary and mobile applications. Long service life.</i> | | | | | | | | | | |
| MOBIL RARUS 827 | 100 | 107 | 10,1 | 66 | 0,945 | -36 | 270 | | | |
| <i>Synthetic, supreme performance air compressor oil. For use for severe duty reciprocating air compressors. Stationary and mobile equipment.</i> | | | | | | | | | | |
| MOBIL RARUS 829 | 150 | 150 | 13,2 | 77 | 0,976 | -39 | 270 | | | |
| <i>Synthetic, supreme performance air compressor oil. For use for severe duty reciprocating air compressors. Stationary and mobile equipment.</i> | | | | | | | | | | |
| MOBIL RARUS 424 | 32 | 32 | 5,4 | 106 | 0,866 | -33 | 236 | | DIN 51506 VD-L (approved RWTUEV) | |
| <i>Premium performance ashless air compressor oil. Single and multistage air compressors. Suitable for reciprocating and rotary type machines. Excellent wear protection. Stationary and mobile applications.</i> | | | | | | | | | | |
| MOBIL RARUS 425 | 46 | 46 | 6,9 | 105 | 0,873 | -30 | 238 | | DIN 51506 VD-L (approved RWTUEV) | |
| <i>Premium performance ashless air compressor oil. Single and multistage air compressors. Suitable for reciprocating and rotary type machines. Excellent wear protection. Stationary and mobile applications.</i> | | | | | | | | | | |
| MOBIL RARUS 426 | 68 | 68 | 8,9 | 103 | 0,877 | -36 | 266 | | DIN 51506 VD-L (approved RWTUEV) | |
| <i>Premium performance ashless air compressor oil. Single and multistage air compressors. Suitable for reciprocating and rotary type machines. Excellent wear protection. Stationary and mobile applications.</i> | | | | | | | | | | |



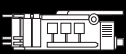
| Brand name | ISO VG | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | Density at 15°C <i>g/cm³</i> | Pour Point °C | Flash Point °C | Specifications | | |
|------------------------|--------|---|-------|-----------------|--|------------------|-------------------|----------------|-------------------------------------|---------------|
| | | 40°C | 100°C | | | | | Approved | Meets | Quality Level |
| MOBIL RARUS 427 | 100 | 106 | 11,6 | 98 | 0,879 | -21 | 264 | | DIN 51506 VD-L (approved RWTUEV) | |
| | | <i>Premium performance ashless air compressor oil. Single and multistage air compressors. Suitable for reciprocating and rotary type machines. Excellent wear protection. Stationary and mobile applications.</i> | | | | | | | | |
| MOBIL RARUS 429 | 150 | 147 | 14,7 | 99 | 0,886 | -27 | 278 | | DIN 51506 VD-L (approved RWTUEV) | |
| | | <i>Premium performance ashless air compressor oil. Single and multistage air compressors. Suitable for reciprocating and rotary type machines. Excellent wear protection. Stationary and mobile applications.</i> | | | | | | | | |



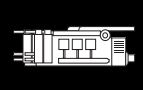
| Brand name | ISO VG | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | Density at 15°C <i>g/cm³</i> | Pour Point °C | Flash Point °C | Specifications | | |
|-----------------------|---|---|-------|-----------------|--|------------------|-------------------|----------------|--|---------------|
| | | 40°C | 100°C | | | | | Approved | Meets | Quality Level |
| MOBIL ALMO 525 | 46 | 46 | 7.3 | 105 | 0.883 | -24 | 188 | | Ingersoll Rand (Rock drill oil light) Ingersoll Rand (Rock drill oil extra light) | |
| | <i>Premium quality, high performance lubricant, suitable for pneumatically operated rock drills in underground and surface mining operations. Suitable for both percussive and rotary type tools.</i> | | | | | | | | | |
| MOBIL ALMO 527 | 100 | 113 | 11.4 | 91 | 0.899 | -30 | 204 | | Ingersoll Rand (Rock drill oil medium) Ingersoll Rand (Rock drill oil light) | |
| | <i>Premium quality, high performance lubricant, suitable for pneumatically operated rock drills in underground and surface mining operations. Suitable for both percussive and rotary type tools.</i> | | | | | | | | | |
| MOBIL ALMO 529 | 320 | 326 | 38,6 | 169 | 0,866 | -36 | 250 | | | |
| | <i>Premium quality, high performance lubricant, suitable for pneumatically operated rock drills in underground and surface mining operations. Suitable for both percussive and rotary type tools.</i> | | | | | | | | | |



| Brand name | ISO VG | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | Density at 15°C <i>g/cm³</i> | Pour Point °C | Flash Point °C | Specifications | | |
|--------------------|---|---|-------|-----------------|--|------------------|-------------------|----------------|--|---------------|
| | | 40°C | 100°C | | | | | Approved | Meets | Quality Level |
| MOBILECT 39 | | 9,5 | | | 0.883 (density at 20°C) | -54 | 148 | | IES 60296-03 (U) (ASTM D1275B / CIGRE corrosion specification) | |
| | <i>High quality mineral uninhibited insulating oil with very good dielectric properties and oxidation stability intended for transformers, switchgears and other electrical equipment.</i> | | | | | | | | | |
| MOBILECT 44 | | 7,6 | | | 0.877 (density at 20°C) | -63 | 146 | | ANSI /ASTM D3487 type II IEC 60296 -03 (I) | |
| | <i>High quality mineral oil insulating oil with very good dielectric properties and oxidation stability for transformers, switch gears and other electrical equipment. Inhibited to improve oxidation resistance.</i> | | | | | | | | | |



| Brand name | ISO VG | SAE Grade | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | Density at 15°C <i>g/cm³</i> | Pour Point °C | Flash Point °C | Specifications | | |
|-----------------------------|--|-----------|---|-------|-----------------|--|------------------|-------------------|---|-------|--------------------------------------|
| | | | 40°C | 100°C | | | | | Approved | Meets | Quality Level |
| MOBIL PEGASUS 1 | | 15W-40 | 94 | 13,1 | 137 | 0,854 | -48 | 238 | MAN M 3271-1 MAN M 3271-2 Deutz MWM Waukesha Cogeneration VOLVO CNG FUELED BUS ENGINES MB 226.9 | | Wartsila NSD W25SG |
| | <i>TBN = 6,5. Ash = 0,48% Synthetic, high performance gas engine oil. For most demanding naturally aspirated and turbocharged stoichiometric and lean-burn gas engines.</i> | | | | | | | | | | |
| MOBIL PEGASUS 1005 | | 40 | 125 | 13,6 | 100 | 0,850 | -15 | 247 | Caterpillar GE Jenbacher Deutz Power Systems Wartsila MAK | | |
| | <i>TBN = 5. Ash = 0,5%. High performance gas engine oil providing today's high output, low-emission four-cycle gas engines with the highest levels of protection. Pegasus 1005 detergent-dispersant system controls the formation of carbon and varnish deposits to minimize oil consumption and maintain engine cleanliness even during extended drain intervals.</i> | | | | | | | | | | |
| MOBIL PEGASUS 801 | S | 40 | 132 | 13,2 | 97 | 0,886 | -15 | 249 | | | |
| | <i>TBN = 2,8. Ash = 0,1% Premium performance, low ash gas engine oil for natural, sweet gas and other gases with low sulphur content.</i> | | | | | | | | | | |
| MOBIL PEGASUS 801 30 | | 30 | 85 | 10 | 97 | 0,882 | -15 | 238 | Dresser Rand Category I / II / III | | |
| | <i>TBN = 2,8. Ash = 0,1% Premium performance, low ash gas engine oil. For engines operating at low, medium and high speeds where low ash or ashless oils are recommended.</i> | | | | | | | | | | |
| MOBIL PEGASUS 805 | S | 40 | 130 | 13,5 | 99 | 0,890 | -12 | 262 | Deutz MWM Wartsila | | Jenbacher Caterpillar Waukesha |
| | <i>TBN = 6,2. Ash = 0,5% Premium performance gas engine oil. For high output 4-stroke engines.</i> | | | | | | | | | | |



| Brand name | ISO VG | SAE Grade | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | Density at 15°C <i>g/cm³</i> | Pour Point °C | Flash Point °C | Specifications | | |
|-----------------------------|--|-----------|---|-------|-----------------|--|---------------|----------------|------------------------|-------|-----------------------------------|
| | | | 40°C | 100°C | | | | | Approved | Meets | Quality Level |
| PEGASUS 705 | | 40 | 126 | 13,2 | 98 | 0,887 | -15 | 252 | Wartsila MTU MAN | | Caterpillar Deutz Jenbacher |
| | <i>TBN = 5,6. Ash = 0,52% High quality gas engine oil for medium and high speed gas engines under heavy duty operation, with high neutralisation capacity.</i> | | | | | | | | | | |
| MOBIL PEGASUS 705 30 | | 30 | 94 | 10,8 | 98 | 0,881 | -21 | 238 | | | Caterpillar |
| | <i>TBN = 5,6. Ash = 0,54% Premium performance gas engine oil for natural gas fuels.</i> | | | | | | | | | | |
| MOBIL PEGASUS 710 | S | 40 | 128 | 13,2 | 98 | 0,896 | -15 | 249 | | | Jenbacher Waukesha |
| | <i>TBN = 6,5. Ash = 0,94% High performance gas engine oil for mildly aggressive biogases.</i> | | | | | | | | | | |
| MOBIL PEGASUS 605 | S | 40 | 129 | 13,4 | 96 | 0,887 | -18 | 255 | MDE | | Deutz Caterpillar Waukesha |
| | <i>TBN = 7.1. Ash = 0,5% High performance gas engine oil for medium and high speed 4-stroke engines operating on corrosive fuel such as hydrogen sulphide and halogens.</i> | | | | | | | | | | |
| PEGASUS 610 | S | 40 | 132 | 13,6 | 98 | 0,889 | -18 | 257 | Jenbacher MAN | | Wartsila Waukesha |
| | <i>TBN = 11,1. Ash = 1,0% High performance gas engine oil for medium and high speed 4-stroke engines operating on corrosive fuel such as hydrogen sulphide and halogens.</i> | | | | | | | | | | |



| Brand name | ISO VG | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | Density at 15°C <i>g/cm³</i> | Pour Point °C | Flash Point °C | Specifications | | |
|-----------------------|---|---|-------|-----------------|--|------------------|-------------------|----------------|-------|---------------|
| | | 40°C | 100°C | | | | | Approved | Meets | Quality Level |
| MOBILTHERM 32 | | 30 | 5,4 | | 0,857 | -6 | 230 | | | |
| | <i>Regular heat transfer fluid, based on solvent refined mineral base stocks. Good heat transfer efficiency. High flash point and good resistance to thermal cracking. For use in a broad range of applications</i> | | | | | | | | | |
| MOBILTHERM 594 | | 5 | 1,5 | | 0,850 | -45 | 135 | | | |
| | <i>Naphthenic, mineral heat transfer oil for use in indirect heat transfer systems. Characterized by its exceptionally low pour point, high level of thermal stability and good heat transfer performance</i> | | | | | | | | | |
| MOBILTHERM 603 | | 20 | 4,2 | | 0,836 | -3 | 210 | | | |
| | <i>High performance heat transfer fluid, based on highly refined mineral base stocks. Good heat transfer efficiency. High flash point and good resistance to thermal cracking. For use in both open and closed heating and cooling systems.</i> | | | | | | | | | |
| MOBILTHERM 605 | | 30 | 5,4 | | 0,857 | -6 | 230 | | | |
| | <i>High performance heat transfer fluid, based on highly refined mineral base stocks. Good heat transfer efficiency. High flash point and good resistance to thermal cracking. For use in both open and closed heating and cooling systems.</i> | | | | | | | | | |
| MOBILTHERM 610 | | 100 | 11,5 | | 0,880 | -6 | 250 | | | |
| | <i>High performance heat transfer fluid, based on highly refined mineral base stocks. Good heat transfer efficiency. High flash point and good resistance to thermal cracking. For use in both open and closed heating and cooling systems.</i> | | | | | | | | | |
| MOBILTHERM 611 | | 490 | | | 0,906 | -6 | 294 | | | |
| | <i>High performance heat transfer fluid, based on highly refined mineral base stocks. Good heat transfer efficiency. High flash point and good resistance to thermal cracking. For use in both open and closed heating and cooling systems.</i> | | | | | | | | | |



| Brand name | Density at 15°C g/cm³ | Appearance at 3% Dilution | pH at 3% | Mineral Oil Content % | Specifications | | |
|---------------------|--|---------------------------|----------|-----------------------|----------------|-----------------|---------------|
| | | | | | Approved | Meets | Quality Level |
| MOBILCUT 242 | 0,990 | Milky | 9,2 | 30 | | | |
| | <i>High performance, long-life fluid for the machining tough alloys of aluminium and steel. Non staining potential of Aluminum, making it suitable for the aerospace industry.</i> | | | | | | |
| MOBILCUT 321 | 1,120 | Yellow | 8,9 | 0 | | | |
| | <i>Fully synthetic, long life, mineral oil free grinding fluid. Provides good long-term corrosion protection for machine tools and components.</i> | | | | | | |
| KUTWELL 42 | 0,896 | Milky | 8,9 | 75 | | GERMAN TRGS 611 | |
| | <i>Multi-purpose metal-working fluid with high oil content. Good emulsion stability in a wide variety of waters. Used for machining ferrous and non ferrous metals.</i> | | | | | | |
| MOBILCUT 122 | 0,900 | Milky | 9,5 | 70 | | | |
| | <i>Multi-purpose metal-working fluid with high oil content. Good emulsion stability in a wide variety of waters. Used for machining ferrous and non ferrous metals.</i> | | | | | | |
| MOBILCUT 222 | 1,007 | Translucent | 9,6 | 40 | | | |
| | <i>Biostable, semi synthetic emulsion, designed to provide long term operation. Versatile and multi purpose in application. Low maintenance. Can be also used for grinding.</i> | | | | | | |
| MOBILCUT 232 | 0,997 | Translucent | 9,4 | 50 | | | |
| | <i>Biostable, semi synthetic emulsion, designed to provide long term operation. Versatile and multi purpose in application. Low maintenance. Can be also used for grinding.</i> | | | | | | |



| Brand name | ISO VG | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | Density at 15°C <i>g/cm³</i> | Pour Point °C | Flash Point °C | Specifications | | |
|---------------------|--|--|-------|--------------------|------------------------------------|---------------------|----------------------|----------------|-------|---------------|
| | | 40°C | 100°C | | | | | Approved | Meets | Quality Level |
| MOBILMET 422 | | 10 | 2,6 | 121 | 0,853 | -42 | 164 | | | |
| | <i>Multi purpose light/medium EP neat cutting oil. Suitable for a wide range of machining operations on all types of metals, including yellow metals.</i> | | | | | | | | | |
| MOBILMET 423 | | 16 | 3,9 | 125 | | -15 | 185 | | | |
| | <i>Multi purpose light/medium EP neat cutting oil. Suitable for a wide range of machining operations on all types of metals, including yellow metals. Can be used for machine tool lubrication and as a hydraulic fluid in non-critical systems.</i> | | | | | | | | | |
| MOBILMET 424 | | 23 | 4,9 | 133 | 0,862 | -21 | 200 | | | |
| | <i>Multi purpose light/medium EP neat cutting oil. Suitable for a wide range of machining operations on all types of metals, including yellow metals. Can be used for machine tool lubrication and as a hydraulic fluid in non-critical systems.</i> | | | | | | | | | |
| MOBILMET 426 | | 36 | 6,2 | 130 | | -27 | 210 | | | |
| | <i>Multi purpose light/medium EP neat cutting oil. Suitable for a wide range of machining operations on all types of metals, including yellow metals. Can be used as a hydraulic fluid in non-critical systems.</i> | | | | | | | | | |
| MOBILMET 427 | | 43 | 7,3 | 130 | 0,878 | -15 | 218 | | | |
| | <i>Multi purpose light/medium EP neat cutting oil. Suitable for a wide range of machining operations on all types of metals, including yellow metals. Can be used for machine tool lubrication and as a hydraulic fluid in non-critical systems.</i> | | | | | | | | | |
| MOBILMET 443 | | 15 | 3,8 | 145 | 0,856 | -30 | 194 | | | |
| | <i>Recommended for a wide range of severe machining operations on all types of metals, including yellow metals. Chlorine free for lower disposal costs.</i> | | | | | | | | | |
| MOBILMET 446 | | 32 | 6 | 132 | 0,882 | -24 | 210 | | | |
| | <i>Recommended for a wide range of severe machining operations on all types of metals, including yellow metals. Chlorine free for lower disposal costs.</i> | | | | | | | | | |
| MOBILMET 447 | | 46 | 7,4 | 124 | 0,888 | -21 | 244 | | | |
| | <i>Recommended for a wide range of severe machining operations on all types of metals, including yellow metals. Chlorine free for lower disposal costs.</i> | | | | | | | | | |



| Brand name | ISO VG | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | Density at 15°C <i>g/cm³</i> | Pour Point °C | Flash Point °C | Specifications | | |
|---|--------|---|-------|--------------------|---|---------------------|----------------------|----------------|-------|---------------|
| | | 40°C | 100°C | | | | | Approved | Meets | Quality Level |
| MOBILMET 762 | | 10 | 2,7 | 110 | 0,863 | -42 | 168 | | | |
| <p><i>Chlorine free oil with antimist additives for heavy duty cutting operations, including difficult to machine steels. Copper corrosive so cannot be used for machining copper based alloys.</i></p> | | | | | | | | | | |
| MOBILMET 763 | | 19 | 4,2 | 128 | 0,874 | -27 | 180 | | | |
| <p><i>Chlorine free oil with antimist additives for heavy duty cutting operations, including difficult to machine steels. Copper corrosive so cannot be used for machining copper based alloys.</i></p> | | | | | | | | | | |
| VACMUL O3C | | 4,5 | | | 0,842 | | 130 | | | |
| <p><i>Low viscosity cutting fluid for honing and grinding. Low odour for good operator comfort. Low colour for good visibility. Good settling of fines.</i></p> | | | | | | | | | | |
| MOBIL VACMUL EDM3 | | 2,6 | | | 0,800 | | 105 | | | |
| <p><i>Highly refined fluid for Electro-Discharge Machining. Excellent machining performance combined with good operator comfort. For both roughing and finishing operations.</i></p> | | | | | | | | | | |



| Brand name | ISO VG | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | Density at 15°C <i>g/cm³</i> | Pour Point °C | Flash Point °C | Specifications | | |
|----------------------|--|---|-------|--------------------|---|---------------------|----------------------|----------------|-------|---------------|
| | | 40°C | 100°C | | | | | Approved | Meets | Quality Level |
| MOBILARMA 524 | | 88 | 10,5 | 95 | 0,882 | -21 | 220 | | | |
| | <i>High performance rust preventive, SAE 40, recommended for temporary corrosion protection of hydraulic systems, gear boxes and engines.</i> | | | | | | | | | |
| MOBILARMA 778 | | 39 | | | 0,877 | -15 | 200 | | | |
| | <i>Oil based rust preventive for hydraulic systems and machined components.</i> | | | | | | | | | |
| MOBILARMA ST | | 32 | | | 0,880 | | | | | |
| | <i>Solvent based corrosion preventive for short term protection. Thin film and high coverage capacity. Higher flash point and lower evaporation for enhanced operator safety.</i> | | | | | | | | | |
| MOBILARMA MT | | 1,8 | | | 0,813 | | 60 | | | |
| | <i>Solvent based corrosion preventive for medium and term protection. Thin film and high coverage capacity. Higher flash point and lower evaporation for enhanced operator safety.</i> | | | | | | | | | |
| MOBILARMA LT | | 4,5 | | | 0,845 | | 65 | | | |
| | <i>Solvent based corrosion preventive for long term protection. Thin film and high coverage capacity. Higher flash point and lower evaporation for enhanced operator safety.</i> | | | | | | | | | |



| Brand name | ISO VG | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | Density at 15°C <i>g/cm³</i> | Pour Point °C | Flash Point °C | Specifications | | |
|-------------------------|--|---|-------|--------------------|---|---------------------|----------------------|----------------|--|---------------|
| | | 40°C | 100°C | | | | | Approved | Meets | Quality Level |
| MOBIL DTE FM 32 | 32 | 32 | 5,5 | | 0,862 | -12 | 212 | | FDA 21 CFR 178.3570 NSF H1 Registered | |
| | <i>High performance lubricant for the food processing and packaging industries. Tasteless and odourless. Good wear protection, excellent oxidation stability and protection against rust. Used as a hydraulic oil as well as for compressor and vacuum pump lubricant.</i> | | | | | | | | | |
| MOBIL DTE FM 46 | 46 | 46 | 6,8 | | 0,868 | -9 | 226 | | FDA 21 CFR 178.3570 NSF H1 Registered | |
| | <i>High performance lubricant for the food processing and packaging industries. Tasteless and odourless. Good wear protection, excellent oxidation stability and protection against rust. Used as a hydraulic and compressor oil.</i> | | | | | | | | | |
| MOBIL DTE FM 68 | 68 | 69 | 8,7 | | 0,873 | -12 | 228 | | FDA 21 CFR 178.3570 NSF H1 Registered | |
| | <i>High performance lubricant for the food processing and packaging industries. Tasteless and odourless. Good wear protection, excellent oxidation stability and protection against rust. Used as hydraulic and compressor oil.</i> | | | | | | | | | |
| MOBIL DTE FM 100 | 100 | 97 | 10,9 | | 0,878 | -18 | 246 | | FDA 21 CFR 178.3570 NSF H1 Registered | |
| | <i>High performance lubricant for the food processing and packaging industries. Tasteless and odourless. Good wear protection, excellent oxidation stability and protection against rust.</i> | | | | | | | | | |
| MOBIL DTE FM 150 | 150 | 156 | 17 | | 0,869 | -12 | 250 | | FDA 21 CFR 178.3570 NSF H1 Registered | |
| | <i>High performance lubricant for the food processing and packaging industries. Tasteless and odourless. Good wear protection, excellent oxidation stability and protection against rust.</i> | | | | | | | | | |
| MOBIL DTE FM 220 | 220 | 214 | 24,5 | | 0,854 | -21 | 246 | | FDA 21 CFR 178.3570 NSF H1 Registered | |
| | <i>High performance lubricant for the food processing and packaging industries. Tasteless and odourless. Good wear protection, excellent oxidation stability and protection against rust. Used as gear, bearing and circulation oil.</i> | | | | | | | | | |
| MOBIL DTE FM 320 | 320 | 326 | 34,2 | | 0,852 | -30 | 272 | | FDA 21 CFR 178.3570 NSF H1 Registered | |
| | <i>High performance lubricant for the food processing and packaging industries. Tasteless and odourless. Good wear protection, excellent oxidation stability and protection against rust. Used as gear, bearing and circulation oil.</i> | | | | | | | | | |



| Brand name | ISO VG | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | Density at 15°C <i>g/cm³</i> | Pour Point °C | Flash Point °C | Specifications | | |
|---------------------------|--------|--|-------|-----------------|--|------------------|-------------------|----------------|--|---------------|
| | | 40°C | 100°C | | | | | Approved | Meets | Quality Level |
| MOBIL DTE FM 460 | 460 | 439 | 43,4 | | 0,852 | -36 | 284 | | FDA 21 CFR 178.3570 NSF H1 Registered | |
| | | <i>High performance lubricant for the food processing and packaging industries. Tasteless and odourless. Good wear protection, excellent oxidation stability and protection against rust. Used as gear, bearing and circulation oil.</i> | | | | | | | | |
| MOBIL DTE FM 680 | 680 | 670 | 61,2 | | 0,853 | -39 | 278 | | FDA 21 CFR 178.3570 NSF H1 Registered | |
| | | <i>High performance lubricant for the food processing and packaging industries. Tasteless and odourless. Good wear protection, excellent oxidation stability and protection against rust. Used as gear oil.</i> | | | | | | | | |
| MOBIL FM 100 SPRAY | 100 | 97 | 10,9 | | 0,878 | -18 | 246 | | FDA 21 CFR 178.3570 NSF H1 Registered | |
| | | <i>Multi-purpose spray lubricant for chains, conveyors and bearings, as used in the food and beverage industry giving the performance benefits of Mobil DTE FM 100 as a spray. Note typical results are after aerosol propellant has evaporated.</i> | | | | | | | | |
| MOBIL SHC FM 46 | 46 | | | | | | | | FDA 21 CFR 178.3570 NSF H1 Registered | |
| | | <i>Fully synthetic, premium quality oil for the lubrication of screw type air compressors in the food and meat packing industry.</i> | | | | | | | | |
| MOBILTHERM FM 32 | 32 | | | | | | | | FDA 21 CFR 178.3570 NSF H1 Registered | |
| | | <i>Fully synthetic, high performance heat transfer oil for the food and beverage industry.</i> | | | | | | | | |



| Brand name | ISO VG | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | NLGI Grade | Thickener Type | Dropping Point °C | Specifications | | |
|---------------------------|--|---|-------|-----------------|------------|-------------------|----------------------|----------------|-----------------------------------|---------------|
| | | 40°C | 100°C | | | | | Approved | Meets | Quality Level |
| MOBILGREASE FM 221 | | 198-242 | | | 1 | Aluminium Complex | | Kosher Halal | NSF H1 registered DIN KPF1K-20 | |
| | <i>Multipurpose grease for the food and beverage industry.</i> | | | | | | | | | |
| MOBILGREASE FM 222 | | 198-242 | | | 2 | Aluminium Complex | | Kosher Halal | NSF H1 registered DIN KPF2K-20 | |
| | <i>Multipurpose grease for the food and beverage industry.</i> | | | | | | | | | |



| Brand name | ISO VG | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | Density at 15°C <i>g/cm³</i> | Pour Point °C | Flash Point °C | Specifications | | |
|---|--------|---|-------|--------------------|---|---------------------|----------------------|----------------|-------|---------------|
| | | 40°C | 100°C | | | | | Approved | Meets | Quality Level |
| MOBIL VELOCITE HP 24 | | 25 | 4,6 | | 0,870 | -9 | 212 | | | |
| <i>Designed for knitting machines in the textile industry. Lubrication of needles, sinkers and cam mechanisms in circular knitting machines and hosiery machines. Based on high quality mineral white oils with highly specialised additives. Non staining.</i> | | | | | | | | | | |
| MOBIL VELOCITE HP 32 | 32 | 32 | 5,0 | | 0,870 | -9 | 218 | | | |
| <i>Designed for knitting machines in the textile industry. Lubrication of needles, sinkers and cam mechanisms in circular knitting machines and hosiery machines. Based on high quality mineral white oils with highly specialised additives. Non staining.</i> | | | | | | | | | | |
| MOBIL VELOCITE HP 46 | 46 | 46 | 6,8 | | 0,870 | -9 | 238 | | | |
| <i>Designed for knitting machines in the textile industry. Lubrication of needles, sinkers and cam mechanisms in circular knitting machines and hosiery machines. Based on high quality mineral white oils with highly specialised additives. Non staining.</i> | | | | | | | | | | |



| Brand name | ISO VG | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | Density at 15°C <i>g/cm³</i> | Pour Point °C | Flash Point °C | Specifications | | |
|--|--|---|-------|--------------------|---|---------------------|----------------------|--|-------|---------------|
| | | 40°C | 100°C | | | | | Approved | Meets | Quality Level |
| MOBIL SHC PM 150 | 150 | 158 | 18,9 | 131 | 0,857 | -39 | 220 | | | |
| | <i>Synthetic, high performance lubricant. For use in demanding circulation systems of high output paper machines and of calendar rolls. Separates water effectively and retain its colour characteristics for long periods of operation.</i> | | | | | | | | | |
| MOBIL SHC PM 220 | 220 | 225 | 25,6 | 133 | 0,863 | -36 | 220 | | | |
| | <i>Synthetic, high performance lubricant. For use in demanding circulation systems of high output paper machines and of calendar rolls. Separates water effectively and retain its colour characteristics for long periods of operation.</i> | | | | | | | | | |
| MOBIL SHC PM 320 | 320 | 325 | 34,7 | 135 | 0,865 | -33 | 220 | | | |
| | <i>Synthetic, high performance lubricant. For use in demanding circulation systems of high output paper machines and of calendar rolls. Separates water effectively and retain its colour characteristics for long periods of operation.</i> | | | | | | | | | |
| MOBIL SHC PM 460 | 460 | 465 | 44,8 | 137 | 0,874 | -27 | 220 | | | |
| | <i>Synthetic, high performance lubricant. For use in demanding circulation systems of high output paper machines and of calendar rolls. Separates water effectively and retain its colour characteristics for long periods of operation.</i> | | | | | | | | | |
| MOBIL PAPER MACHINE OIL S 220 | 220 | 220 | 27 | 153 | 0.88 | -48 | 214 | | | |
| | <i>High performance synthetic lubricant specifically designed for demanding industrial paper machine circulation systems where oil darkening is a problem. Designed to provide excellent protection of gears and bearings operating under severe conditions.</i> | | | | | | | | | |
| MOBIL DTE PM 150 | 150 | 150 | 14,7 | 95 | 0,884 | -6 | 240 | | | |
| | <i>High quality, high performance lubricant for demanding industrial paper machine circulation systems. Excellent separation from water. Good anti-wear performance.</i> | | | | | | | | | |
| MOBIL DTE PM 220 | 220 | 220 | 19 | 95 | 0,888 | -6 | 250 | SKF Paper Machine Oils for Drier Section (OHF-T-3) FAG Paper Machine for Drier Section | | |
| | <i>High quality, high performance lubricant for demanding industrial paper machine circulation systems. Excellent separation from water. Good anti-wear performance.</i> | | | | | | | | | |



| Brand name | ISO VG | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | NLGI Grade | Thickener Type | Dropping Point °C | Specifications | | |
|----------------------------|--------|---|---|-----------------|------------|-----------------|----------------------|----------------|---------------------------|---------------|
| | | 40°C | 100°C | | | | | Approved | Meets | Quality Level |
| MOBILITH SHC PM 220 | 220 | from 198 to 242 | | | 1,5 | Lithium Complex | 246 min | | DIN 51825: KPHC1-2N-40 | |
| | | | <i>Designed for use in the most critical rolling element bearing applications in paper machines. Provides outstanding protection against rust and typical acid and alkali water corrosion, making it ideal for the wet end of the paper machine. The low volatility and excellent oxidation stability of the synthetic base stock ensures excellent service at high temperatures typical of dry end conditions.</i> | | | | | | | |
| MOBILITH SHC PM 460 | 460 | from 414 to 506 | | | 1,5 | Lithium Complex | 246 min | | DIN 51825: KPHC1-2N-40 | |
| | | | <i>Designed for use in the most critical rolling element bearing applications in paper machines. Provides outstanding protection against rust and typical acid and alkali water corrosion, making it ideal for the wet end of the paper machine. The low volatility and excellent oxidation stability of the synthetic base stock ensures excellent service at high temperatures typical of dry end conditions.</i> | | | | | | | |



| Brand name | ISO VG | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | NLGI Grade | Thickener Type | Dropping Point °C | Specifications | | |
|--------------------------|--------|---|--|-----------------|------------|----------------|----------------------|----------------|-------|---------------|
| | | 40°C | 100°C | | | | | Approved | Meets | Quality Level |
| MOBILGEAR OGL 007 | 460 | from 414 to 506 | | | 00 | Lithium | 180 min | | | |
| | | | <i>High performance semi fluid lubricant that contain EP additives and finely dispersed graphite. Designed for fast, medium and slow open gears in mining, agriculture and cement. Suitable for bath or spray application.</i> | | | | | | | |
| MOBILGEAR OGL 009 | 1500 | from 1350 to 1650 | | | 00 | Lithium | 180 min | | | |
| | | | <i>High performance semi fluid lubricant that contain EP additives and finely dispersed graphite. Designed for fast, medium and slow open gears in mining, agriculture and cement. Suitable for bath or spray application.</i> | | | | | | | |
| MOBILGEAR OGL 461 | 460 | from 414 to 506 | | | 1,5 | Lithium | 180 min | | | |
| | | | <i>High performance semi fluid lubricant that contain EP additives and finely dispersed graphite. Designed for fast, medium and slow open gears in mining, agriculture and cement. Suitable for bath or spray application.</i> | | | | | | | |



| Brand name | ISO VG | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | NLGI Grade | Thickener Type | Dropping Point °C | Specifications | | |
|---------------------------------|---|---|-------------------|-----------------|------------|-----------------|-------------------|----------------|--------------|-------------------|
| | | 40°C | 100°C | | | | | Approved | Meets | Quality Level |
| MOBIL GLYGOYLE GREASE 00 | | from 170 to 190 | | | 00 | Lithium | N/A | | | |
| | <i>Synthetic, polyglycol based semi-fluid, long service grease. First and service fill. For enclosed gears and bearings.</i> | | | | | | | | | |
| MOBIL POLYREX EM | | from 109 to 116.5 | from 11.7 to 13.0 | 95 min | 2 | Polyurea | 250 min | | | |
| | <i>Super performance polyurea thickened grease. Recommended for electric motor bearings and sealed-for-life bearings. Higher temperature operations with optimal oil separation. Also for low noise sensitive environments.</i> | | | | | | | | | |
| MOBIL POLYREX EM 103 | | from 109 to 116.5 | from 11.7 to 13.0 | 95 min | 3 | Polyurea | 250 min | | | |
| | <i>Super performance polyurea thickened grease. Recommended for electric motor bearings and sealed-for-life bearings. Higher temperature operations with optimal oil separation. Also for low noise sensitive environments.</i> | | | | | | | | | |
| UNIREX N 2 | | from 109 to 116.5 | from 11.7 to 13.0 | 95 min | 2 | Lithium Complex | 205 min | | K2N-20L | |
| | <i>Premium quality long-life lithium complex grease suitable for high temperature service in all types of bearings. Versatile product profile with applications in a wide range of industries but most particularly for electric motors and sealed-for-life bearings.</i> | | | | | | | | | |
| UNIREX N 3 | | from 109 to 116.5 | from 11.7 to 13.0 | 95 min | 3 | Lithium Complex | 205 min | | K3N-20L | |
| | <i>Premium quality long-life lithium complex grease suitable for high temperature service in all types of bearings. Versatile product profile with applications in a wide range of industries but most particularly for electric motors and sealed-for-life bearings.</i> | | | | | | | | | |
| UNIREX EP 2 | 220 | from 200 to 240 | from 17.0 to 21.0 | | 2 | Lithium Complex | 260 min | | | |
| | <i>Premium quality lithium complex thickened mineral oil based grease. Excellent multipurpose grease, particularly where there may be water contamination and/or heavy duty in service. Suitable for plain and anti-friction bearings in a wide variety of industrial and automotive applications.</i> | | | | | | | | | |
| MOBIL SHC POLYREX 462 | 460 | from 414 to 506 | | | 2 | Polyurea | 250 min | Kosher & Parve | DIN KPF2P-20 | NSF H1 registered |
| | <i>Supreme performance fully synthetic grease designed to improve productivity by solving high temperature lubrication problems in both general industry and food processing applications. It offers a combination of high temperature performance, excellent water resistance and balanced performance properties.</i> | | | | | | | | | |



| Brand name | ISO VG | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | NLGI Grade | Thickener Type | Dropping Point °C | Specifications | | |
|----------------------------|--------|---|-------|-----------------|------------|-----------------|----------------------|--------------------------|-------|---------------|
| | | 40°C | 100°C | | | | | Approved | Meets | Quality Level |
| MOBILGREASE XHP 103 | 100 | from 90 to 110 | | | 3 | Lithium Complex | 260 min | | | |
| | | <i>Extra high performance mineral oil grease for industrial, automotive, construction and marine applications. Used for severe operating conditions, including high temperature, water contamination, high loads and shock loading.</i> | | | | | | | | |
| MOBILGREASE XHP 221 | 220 | from 198 to 242 | | | 1 | Lithium Complex | 260 min | | | |
| | | <i>Extra high performance mineral oil grease for industrial, automotive, construction and marine applications. Used for severe operating conditions, including high temperature, water contamination, high loads and shock loading.</i> | | | | | | | | |
| MOBILGREASE XHP 222 | 220 | | | | 1,5 | Lithium Complex | 246 min | | | |
| | | <i>Extra high performance mineral oil grease for industrial, automotive, construction and marine applications. Used for severe operating conditions, including high temperature, water contamination, high loads and shock loading.</i> | | | | | | | | |
| MOBILGREASE XHP 461 | 460 | from 414 to 506 | | | 1 | Lithium Complex | 260 min | | | |
| | | <i>Extra high performance mineral oil grease for industrial, automotive, construction and marine applications. Used for severe operating conditions, including high temperature, water contamination, high loads and shock loading.</i> | | | | | | | | |
| MOBILUX EP 023 | 320 | from 288 to 352 | | | 000 | Lithium | N/A | | | |
| | | <i>High performance general purpose industrial grease. Based on mineral oils and a lithium thickener to provide extra protection against wear, rusting and water washout. Suitable for equipment where moist or wet conditions are common. Recommended for most types of industrial applications including heavy-duty. Used for enclosed gears.</i> | | | | | | | | |
| MOBILUX EP 004 | 150 | from 135 to 165 | | | 00 | Lithium | N/A | SEW under approval phase | | |
| | | <i>High performance general purpose industrial grease. Based on mineral oils and a lithium thickener to provide extra protection against wear, rusting and water washout. Suitable for equipment where moist or wet conditions are common. Recommended for most types of industrial applications including heavy-duty.</i> | | | | | | | | |
| MOBILUX EP 0 | 150 | from 135 to 165 | | | 0 | Lithium | 180 min | | | |
| | | <i>High performance general purpose industrial grease. Based on mineral oils and a lithium thickener to provide extra protection against wear, rusting and water washout. Suitable for equipment where moist or wet conditions are common. Recommended for most types of industrial applications including heavy-duty.</i> | | | | | | | | |



| Brand name | ISO VG | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | NLGI Grade | Thickener Type | Dropping Point °C | Specifications | | |
|---------------------------------|--|---|-------|-----------------|------------|----------------|----------------------|----------------|-------|---------------|
| | | 40°C | 100°C | | | | | Approved | Meets | Quality Level |
| MOBILUX EP 1 | 150 | from 135 to 165 | | | 1 | Lithium | 180 min | | | |
| | <i>High performance general purpose industrial grease. Based on mineral oils and a lithium thickener to provide extra protection against wear, rusting and water washout. Suitable for equipment where moist or wet conditions are common. Recommended for most types of industrial applications including heavy-duty.</i> | | | | | | | | | |
| MOBILUX EP 2 | 150 | from 135 to 165 | | | 2 | Lithium | 180 min | | | |
| | <i>High performance general purpose industrial grease. Based on mineral oils and a lithium thickener to provide extra protection against wear, rusting and water washout. Suitable for equipment where moist or wet conditions are common. Recommended for most types of industrial applications including heavy-duty.</i> | | | | | | | | | |
| MOBILUX EP 3 | 150 | from 135 to 165 | | | 3 | Lithium | 180 min | | | |
| | <i>High performance general purpose industrial grease. Based on mineral oils and a lithium thickener to provide extra protection against wear, rusting and water washout. Suitable for equipment where moist or wet conditions are common. Recommended for most types of industrial applications including heavy-duty.</i> | | | | | | | | | |
| MOBILTEMP 1 | 460 | from 414 to 506 | | | 1 | Clay | 260 min | | | |
| | <i>High performance clay thickened grease. Used for plain and anti-friction bearings operating at low speed and high temperature. Low volatility and excellent resistance to oxidation and water washout and good anti-wear performance.</i> | | | | | | | | | |
| MOBILTEMP 78 | 460 | from 414 to 506 | | | 1 | Clay | 260 min | | | |
| | <i>High performance clay thickened grease. Used for plain and anti-friction bearings operating at low speed and high temperature. Low volatility and excellent resistance to oxidation and water washout and good anti-wear performance. It contains molybdenum disulphide.</i> | | | | | | | | | |
| MOBILGREASE SPECIAL | 150 | from 135 to 165 | | | 2 | Lithium | 180 min | | | |
| | <i>Extreme pressure lithium thickened grease. Contains molybdenum disulphide to give extra protection in heavily loaded bearings. Wheel bearings and chassis components in automotive and industrial equipment, passenger cars, trucks, farm tractors, construction and mobile equipment.</i> | | | | | | | | | |
| MOBIL SHC GREASE EAL 102 | 100 | from 90 to 110 | | | 2 | Lithium | 175 min | | | |
| | <i>Biodegradable, synthetic ester based, multipurpose grease. Water resistant with good adherence. For use in environmentally sensitive applications.</i> | | | | | | | | | |



| Brand name | ISO VG | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | NLGI Grade | Thickener Type | Dropping Point °C | Specifications | | |
|----------------------------------|--------|---|-------|-----------------|------------|-----------------|----------------------|----------------|------------------------|---------------|
| | | 40°C | 100°C | | | | | Approved | Meets | Quality Level |
| MOBILTEMP SHC 32 | N | from 26.0 to 32.5 | | | 1,5 | Clay | 260 min | | | |
| | | Fully synthetic anti-wear grease for high temperature applications. Excellent resistance to thermal/oxidative degradation with excellent structural stability at high temperature. Long service life for extended relubrication periods and energy savings potential. | | | | | | | | |
| MOBILTEMP SHC 100 | 100 | from 90 to 110 | | | 2 | Clay | 260 min | | | |
| | | Fully synthetic anti-wear grease for high temperature applications. Excellent resistance to thermal/oxidative degradation with excellent structural stability at high temperature. Long service life for extended relubrication periods and energy savings potential. | | | | | | | | |
| MOBILTEMP SHC 460 SPECIAL | 460 | from 414 to 506 | | | 1 | Clay | 260 min | | | |
| | | Fully synthetic anti-wear greases for high temperature applications. Excellent resistance to thermal/oxidative degradation with excellent structural stability at high temperature. Long service life for extended relubrication periods and energy savings potential. Contains molybdeneum disulphide. | | | | | | | | |
| MOBILITH SHC 007 | 460 | from 414 to 506 | | | 00 | Lithium Complex | N/A | | DIN 51826: GPHC00K-30 | |
| | | Supreme performance fully synthetic grease designed for a wide variety of applications at extremes of temperature and operating conditions. Excellent adhesion, structural stability and resistance to water. Used in industrial, automotive and marine applications. | | | | | | | | |
| MOBILITH SHC 100 | 100 | | | | 1,5 | Lithium Complex | 246 min | | DIN 51825: KPHC2N-40 | |
| | | Supreme performance fully synthetic grease designed for a wide variety of applications at extremes of temperature and operating conditions. Excellent adhesion, structural stability and resistance to water. Used in industrial, automotive and marine applications. | | | | | | | | |
| MOBILITH SHC 220 | 220 | | | | 1,5 | Lithium Complex | 246 min | | DIN 51825: KPHC2N-40 | |
| | | Supreme performance fully synthetic grease designed for a wide variety of applications at extremes of temperature and operating conditions. Excellent adhesion, structural stability and resistance to water. Used in industrial, automotive and marine applications. | | | | | | | | |
| MOBILITH SHC 460 | 460 | | | | 1,5 | Lithium Complex | 246 min | | DIN 51825: KPHC1-2N-40 | |
| | | Supreme performance fully synthetic grease designed for a wide variety of applications at extremes of temperature and operating conditions. Excellent adhesion, structural stability and resistance to water. Used in industrial, automotive and marine applications. | | | | | | | | |



| Brand name | ISO VG | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | NLGI Grade | Thickener Type | Dropping Point °C | Specifications | | |
|----------------------------------|---|---|-------|-----------------|------------|-----------------|----------------------|----------------|------------------------|---------------|
| | | 40°C | 100°C | | | | | Approved | Meets | Quality Level |
| MOBILITH SHC 1000 SPECIAL | 1000 | from 900 to 1100 | | | 2 | Lithium Complex | 246 min | | DIN KPFHC2N-30 | |
| | <p><i>Supreme performance fully synthetic grease designed for a wide variety of applications at extremes of temperature and operating conditions. Excellent adhesion, structural stability and resistance to water. Used in industrial, automotive and marine applications. Contains molybdeneum disulphide and graphite.</i></p> | | | | | | | | | |
| MOBIL SHC GREASE 460 WT | 460 | from 414 to 506 | | | 1,5 | Lithium Complex | 246 min | | DIN 51825: KPHC1-2N-40 | |
| | <p><i>Supreme performance product especially suited to exceed the demanding requirements of wind turbine applications at extremes of temperature. Specially formulated to lubricate yaw, pitch and main bearings of wind turbines and to provide extended service life.</i></p> | | | | | | | | | |



| Brand name | ISO VG | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | Density at 15°C <i>g/cm³</i> | Pour Point °C | Flash Point °C | Specifications | | |
|--|--------|---|-------|-----------------|--|------------------|-------------------|----------------|-------|---------------|
| | | 40°C | 100°C | | | | | Approved | Meets | Quality Level |
| MOBILSOL PM | | 383 | 21 | 56 | 0,885 | | 208 | | | |
| <p><i>Mobisol PM is a highly detergent and dispersant synthetic fluid which, when added to the oil in hydraulic, paper machine or general circulation systems, will help to release and hold in suspension gummy oil oxidation products and insoluble materials.</i></p> | | | | | | | | | | |
| MOBIL SILTAC EAL 68 | | 76 | 15 | 217 | | -25 | | | | |
| <p><i>Biodegradable chain saw oil for sensitive environments, the product uses high quality rapeseed oil in its formulation in order have minimal impact on the local environment</i></p> | | | | | | | | | | |

Marine Lubricants

| | |
|----------------------------|----|
| Marine Engine Oils | 72 |
| Marine Cylinder Oils | 76 |
| Mobil Stern Tube Lubricant | 77 |





Marine Engine Oils



| Brand name | SAE Grade | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | Density at 15°C <i>g/cm³</i> | Pour Point °C | TBN | Specifications | | |
|-------------------------|--|---|-------|-----------------|--|------------------|-----|----------------|-------|---------------|
| | | 40°C | 100°C | | | | | Approved | Meets | Quality Level |
| MOBILGARD 312 | 30 | 108 | 12 | 100 | 0,896 | -9 | 15 | | | API CF |
| | <p><i>Mobilgard 312 is a high performance diesel engine oil developed for use in trunk piston engines operating on low sulphur distillate fuels in marine and industrial applications. It is formulated to have excellent resistance to oxidation and viscosity increase over a long period of service. It has superior water separating properties and provide excellent corrosion protection.</i></p> | | | | | | | | | |
| MOBILGARD 412 | 40 | 142 | 14,5 | 100 | 0,899 | -9 | 15 | | | API CF |
| | <p><i>Mobilgard 312 is a high performance diesel engine oil developed for use in trunk piston engines operating on low sulphur distillate fuels in marine and industrial applications. It is formulated to have excellent resistance to oxidation and viscosity increase over a long period of service. It has superior water separating properties and provide excellent corrosion protection.</i></p> | | | | | | | | | |
| MOBILGARD 512 | 50 | 219 | 19,4 | 100 | 0,894 | -9 | 15 | | | API CF |
| | <p><i>Mobilgard 12 Series by ExxonMobil are high performance diesel engine oils developed for use in trunk piston engines operating on low sulphur distillate fuels in marine and industrial applications. They are formulated to have excellent resistance to oxidation and viscosity increase over a long period of service. They have superior water separating properties and provide excellent corrosion protection.</i></p> | | | | | | | | | |
| MOBILGARD ADL 30 | 30 | 108 | 12 | 100 | 0,9 | -12 | 15 | | | API CF |
| | <p><i>Mobilgard ADL Series by ExxonMobil is a high performance family of increased dispersancy engine oils for high BMEP medium and high-speed diesel engines operating on distillate and MDO fuels. These advanced diesel lubricants are available in both SAE 30 and 40 grades to suit most marine engine viscosity requirements. As a result of a special balance of detergent and dispersant properties these oils provide not only increased resistance to cylinder liner lacquer formation in severe service applications, but also assist in sludge and deposit removal. Use of Mobilgard ADL Series oils avoids high oil consumption associated with cylinder liner lacquering, improves overall engine cleanliness and can increase time between engine overhauls. Superior load carrying properties minimise piston ring and liner wear, and also make Mobilgard ADL Series lubricants suitable for marine gearing applications.</i></p> | | | | | | | | | |
| MOBILGARD ADL 40 | 40 | 141 | 14,5 | 101 | 0,901 | -9 | 15 | | | API CF |
| | <p><i>Mobilgard ADL Series by ExxonMobil is a high performance family of increased dispersancy engine oils for high BMEP medium and high-speed diesel engines operating on distillate and MDO fuels. These advanced diesel lubricants are available in both SAE 30 and 40 grades to suit most marine engine viscosity requirements. As a result of a special balance of detergent and dispersant properties these oils provide not only increased resistance to cylinder liner lacquer formation in severe service applications, but also assist in sludge and deposit removal. Use of Mobilgard ADL Series oils avoids high oil consumption associated with cylinder liner lacquering, improves overall engine cleanliness and can increase time between engine overhauls. Superior load carrying properties minimise piston ring and liner wear, and also make Mobilgard ADL Series lubricants suitable for marine gearing applications.</i></p> | | | | | | | | | |



| Brand name | SAE Grade | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | Density at 15°C <i>g/cm³</i> | Pour Point °C | TBN | Specifications | | |
|---|-----------|---|-------|-----------------|--|------------------|-----|----------------|--------|---------------|
| | | 40°C | 100°C | | | | | Approved | Meets | Quality Level |
| MOBILGARD M330 | 30 | 112 | 12 | | 0,907 | -6 | 30 | | API CF | |
| <p><i>Mobilgard M30 Series (M330 and M430) are premium, extra high performance 30 TBN engine oils designed for use in the most severe residual-fueled, medium-speed diesel engines used in marine and stationary power applications. These diesel engine oils have been specially formulated to provide outstanding residual fuel compatibility characteristics to deliver excellent engine cleanliness, especially in crankcase, camshaft areas, ring belt and piston undercrowns. They provide excellent high temperature oxidation and thermal stability, low volatility, high load-carrying properties and corrosion protection.</i></p> | | | | | | | | | | |
| MOBILGARD M430 | 40 | 143 | 14 | | 0,907 | -6 | 30 | | API CF | |
| <p><i>Mobilgard M30 Series (M330 and M430) are premium, extra high performance 30 TBN engine oils designed for use in the most severe residual-fueled, medium-speed diesel engines used in marine and stationary power applications. These diesel engine oils have been specially formulated to provide outstanding residual fuel compatibility characteristics to deliver excellent engine cleanliness, especially in crankcase, camshaft areas, ring belt and piston undercrowns. They provide excellent high temperature oxidation and thermal stability, low volatility, high load-carrying properties and corrosion protection. Mobilgard L540 was specially formulated for use in applications with fuel sulphur levels ranging from less than 0.3% up to 1.5%.</i></p> | | | | | | | | | | |
| MOBILGARD M340 | 30 | 113 | 12 | | 0,915 | -6 | 40 | | | |
| <p><i>Mobilgard M40 Series oils are designed to meet the needs of engines operating on heavy fuel. They are recommended for use in the latest model medium speed diesel engines and are especially beneficial in engines having low crankcase oil consumption or operating with low cylinder liner temperatures. Relatively high alkalinity reserves in these oils provide superior protection in neutralising the strong acids resulting from the use of high sulphur fuels that find access to the crankcase to promote oil degradation and ring, cylinder, and bearing corrosion.</i></p> | | | | | | | | | | |
| MOBILGARD M440 | 40 | 143 | 14 | | 0,915 | -6 | 40 | | API CF | |
| <p><i>Mobilgard M40 Series oils are designed to meet the needs of engines operating on heavy fuel. They are recommended for use in the latest model medium speed diesel engines and are especially beneficial in engines having low crankcase oil consumption or operating with low cylinder liner temperatures. Relatively high alkalinity reserves in these oils provide superior protection in neutralising the strong acids resulting from the use of high sulphur fuels that find access to the crankcase to promote oil degradation and ring, cylinder, and bearing corrosion.</i></p> | | | | | | | | | | |
| MOBILGARD M50 | 40 | 142 | 14 | | 0,922 | -6 | 50 | | API CF | |
| <p><i>Mobilgard M50 is especially recommended for use in the latest medium-speed engines designed with "flame-ring" cylinder liners operating on high sulphur fuels. It is recommended for use in main propulsion and auxiliary engines on deep-sea vessels; in main propulsion engines on coastal and river ships; and in stationary power plants.</i></p> | | | | | | | | | | |



Marine Engine Oils



| Brand name | SAE Grade | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | Density at 15°C <i>g/cm³</i> | Pour Point °C | TBN | Specifications | | |
|--|-----------|---|-------|-----------------|--|------------------|-----|--|--|---------------|
| | | 40°C | 100°C | | | | | Approved | Meets | Quality Level |
| MOBILGARD 300 | 30 | 111 | 12 | 97 | 0,889 | -12 | 5 | | | |
| <p><i>Mobilgard 300 is recommended primarily for use as system oil in late model, high-output, crosshead diesel engines, especially those engines employing the system oil for piston cooling. It will prevent or reduce deposit formation in the piston cooling spaces, thus maintaining piston cooling efficiency and reducing the incidence of piston top burning and piston crown cracking. It will also prevent or reduce crankcase deposits and will provide outstanding protection for heavily loaded bearings. Its reserve alkalinity allows for the burning of high sulphur fuel. Good rust prevention and water separation characteristics make Mobilgard 300 an excellent system oil in older design crosshead diesel engines which have water-cooled pistons and where crankcase deposits can be a problem with lower-quality system oils.</i></p> | | | | | | | | | | |
| MOBILGARD HSD | | 105 | 14,2 | 138 | 0,88 | -33 | 10 | Cummins CES 20078/20077/ 20076/20072/20071 MB 228.3 MAN M3275 Volvo VDS-3 | API CI-4/CH-4/CG-4/ CF-4/CF/SL/SJ ACEA E5/E3/B4/B3/A2 Caterpillar ECF-1 | |
| <p><i>Mobilgard HSD is an extra high performance, multi-grade engine oil specifically formulated for severe service high-speed diesel engines in marine applications. Its advanced chemistry provides outstanding performance in both modern, demanding low-emission diesel engines and older diesel engines operating on low or high sulphur distillate fuel. Mobilgard HSD is approved or recommended by all the major marine high-speed diesel engine builders.</i></p> | | | | | | | | | | |



Marine Engine Oils (zinc-free)



| Brand name | SAE Grade | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | Density at 15°C <i>g/cm³</i> | Pour Point °C | TBN | Specifications | | |
|------------------------|--|---|-------|--------------------|---|---------------------|-----|----------------|---|--|
| | | 40°C | 100°C | | | | | Approved | Meets | Quality Level |
| MOBILGARD 1 SHC | 40 | 109 | 14,5 | 136 | 0,872 | -54 | 15 | MTU TYPE 2 | API CF, CF-2 MTU Type II (extended drain up to 1500 hours in fast ferries) FZG Stage 12 | API CF / CF-2 |
| | <p><i>Mobilgard 1 SHC is recommended for use as a crankcase lubricant in medium and high speed diesel engines in severe marine service. It is especially suited to the needs of high power concentration engines where thermal stress and loading on the lubricant are severe, as well as for applications involving low-temperature and /or frequent start-up, rapid loading following rapid start-up, and abrupt shutdown after high speed operations.</i></p> | | | | | | | | | |
| MOBILGARD 450NC | 40 | 139 | 14,1 | 98 | 0,897 | -6 | 13 | | | API CF / CF-2 EMD, EMD DD6V92 TA test,LMOA Generation 4 lubricant. |
| | <p><i>Mobilgard 450 NC (No Chlorine) engine oil has been specifically formulated to meet requirements of heavily loaded diesel engines manufactured by EMD and used in marine applications. It is suitable for other marine diesel engines of the highest horsepower, or higher brake mean effective pressure (BMEP) using distillate fuels with a sulfur content up to 1.5 percent. It will lubricate such engines in drilling rigs and stationary power generation service as well. Mobilgard 450 NC has been approved by EMD and is recommended for diesel engines manufactured by Alco, Detroit Diesel (API CF-2) and Fairbanks Morse.</i></p> | | | | | | | | | |



| Brand name | SAE Grade | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | Density at 15°C <i>g/cm³</i> | Pour Point °C | TBN | Specifications | | |
|---|-----------|---|-------|-----------------|--|------------------|-----|----------------|-------|---------------|
| | | 40°C | 100°C | | | | | Approved | Meets | Quality Level |
| MOBILGARD 570 | 50 | 229 | 21 | 104 | 0,937 | -9 | 70 | | | |
| <p><i>Mobilgard 570 has been developed for marine crosshead engines designed for increased power and fuel efficiency. Such engines exhibit higher temperatures and pressures in the cylinder, which reduce the lubricant's viscosity and increase the loads which it must withstand. Longer piston strokes have greatly increased the amount of surface to be protected and the amount of time the lubricant must withstand the severe cylinder temperatures and corrosive sulphur acids.</i></p> | | | | | | | | | | |
| MOBILGARD L540 | 50 | 236 | 21 | 105 | 0,917 | -6 | 40 | | | |
| <p><i>Mobilgard L540 has been developed for marine crosshead engines with increased power and fuel efficiency. Such engines exhibit higher temperatures and pressures in the cylinder, which reduce the lubricant's viscosity and increase the loads which it must withstand. Longer piston strokes have greatly increased the amount of surface to be protected and the amount of time the lubricant must withstand the severe cylinder temperatures and corrosive sulphur acids. Mobilgard L540 has also demonstrated superior performance in earlier engine designs.</i></p> | | | | | | | | | | |



Mobil Stern Tube Lubricant



| Brand name | SAE Grade | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | Density at 15°C <i>g/cm³</i> | Pour Point °C | TBN | Specifications | | |
|---|-----------|---|-------|-----------------|--|------------------|-----|----------------|-------|---------------|
| | | 40°C | 100°C | | | | | Approved | Meets | Quality Level |
| MOBIL STERN TUBE LUBRICANT | | 385 | 24 | 82 | 0,915 | 10 | | | | |
| <p><i>Mobil Stern Tube Lubricant is a high-performance, high viscosity lubricant developed especially for the lubrication of Cedervall-type stern tube bearings used in ships and for certain bearings of ships' fin stabilizers. Mobil Stern Tube Lubricant is formulated from relatively high Viscosity Index (VI) base oils combined with emulsifiers, structure modifiers, surface active agents and corrosion preventives. It emulsifies readily with seawater to form a stable water-in-oil emulsion that is adhesive and an excellent lubricant. It provides effective rust protection in the presence of seawater and the lubricating film is resistant to water washing so that corrosion protection is maintained for extended periods under severe operating conditions.</i></p> | | | | | | | | | | |

Aviation Lubricants

| | |
|------------------|----|
| Jet Engine Oil | 78 |
| Hydraulic Oil | 79 |
| Aviation Greases | 80 |





| Brand name | ISO VG | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | Density at 15°C <i>g/cm³</i> | Pour Point °C | Flash Point °C | Specifications | | |
|--|--------|---|-------|-----------------|--|------------------|-------------------|--|-------|---------------|
| | | 40°C | 100°C | | | | | Approved | Meets | Quality Level |
| MOBIL JET OIL II | | 27,6 | 5,1 | | 1,00355 | -59 | 270 | MIL-PRF-23699F-STD | | |
| <p><i>Mobil Jet Oil II is a high performance aircraft-type gas turbine lubricant formulated with a combination of a highly stable synthetic base fluid and a unique chemical additive package. The combination provides outstanding thermal and oxidative stability to resist deterioration and deposit formation in both the liquid and vapour phases, as well as excellent resistance to foaming.</i></p> | | | | | | | | | | |
| MOBIL JET OIL 254 | | 26,4 | 5,3 | | 1,0044 | -62 | 254 | MIL-PRF-23699F-HTS | | |
| <p><i>Mobil Jet Oil 254 is a third-generation, extra high performance, synthetic aircraft-type gas turbine lubricant engineered to meet the performance requirements for gas turbine engines used in commercial and military aircraft.</i></p> | | | | | | | | | | |
| MOBIL TURBO 319-A2 | | 16,2 | 3,7 | | 0,852 | -60 | 234 | IPM-10,VNIINP 50-1-4f and -4u, 36/1 Ku-A, MS-8P, MS-8RK | | |
| <p><i>Mobil Turbo 319A-2 is a fully synthetic lubricant developed to meet the performance requirements of Russian gas turbine aircraft engines which operate on mineral-oil-based lubricants. The product has superior thermal and oxidation stability than mineral-oil-based lubricants. The ability of Mobil Turbo 319A-2 to resist deterioration and deposit formation allows the potential for extended oil drain intervals and less frequent maintenance.</i></p> | | | | | | | | | | |



| Brand name | ISO VG | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | Density at 15°C <i>g/cm³</i> | Pour Point °C | Flash Point °C | Specifications | | |
|-----------------------|---|---|------------------|-----------------|--|------------------|-------------------|---|-------|---------------|
| | | 40°C | 100°C | | | | | Approved | Meets | Quality Level |
| HYJET IVA-PLUS | | 37.8 (at 37.8 C) | 3.57 (at 98.9 C) | 320 | 1,001 | -62 | 174 | SAE AS1241C, NSA 307110M, C-34-1224C, 1159SCH302D, BMS 3-11M, DMS 2014G, BAC.M.333C, BAMS 564-003 | | |
| | <p><i>Exxon HyJet IV-Aplus is a superior quality, fire-resistant phosphate ester hydraulic fluid designed for use in commercial aircraft. This product is an advanced Type IV fluid and offers many of the performance capabilities of Type V fluids, including high temperature stability, low density, and rust protection.</i></p> | | | | | | | | | |
| MOBIL AERO HFA | | 13.9 | 5.1 | 370 | 0,882 | -66 | 108 (COC method) | MIL-H-5606A | | |
| | <p><i>Mobil Aero HFA, HF, and HFS are formulated for aircraft systems where use of hydrocarbon-based hydraulic fluids is required. They are low viscosity products, high VI fluid with excellent low temperature properties, good anti-wear performance, and good chemical stability.</i></p> | | | | | | | | | |
| MOBIL AERO HF | | 13.8 | 5.1 | 370 | 0,881 | -66 | 90 (PMCC method) | MIL-PRF-5606H, NATO Code H-515 | | |
| | <p><i>Mobil Aero HFA, HF, and HFS are formulated for aircraft systems where use of hydrocarbon-based hydraulic fluids is required. They are low viscosity products, high VI fluid with excellent low temperature properties, good anti-wear performance, and good chemical stability.</i></p> | | | | | | | | | |



| Brand name | ISO VG | Kinematic Viscosity <i>mm²/s or cSt</i> | | NLGI Grade | Thickener Type | Dropping Point °C | Specifications | | |
|--------------------------------------|--|---|-------|------------|-----------------|----------------------|---|--|---------------|
| | | 40°C | 100°C | | | | Approved | Meets | Quality Level |
| MOBILGREASE 28 | | 29,3 | 9,2 | 1-2 | Lithium Complex | 315 | MIL-PRF-81322G, NATO G-395, JSD XG-293, DOD-G-24508A Am 4 | | |
| | <p><i>Mobilgrease 28 is a supreme performance, wide-temperature, antiwear grease designed to combine the unique features of a polyalphaolefin (PAO) synthetic base fluid with an organo-clay (non-soap) thickener. It provides excellent low temperature pumpability, very low starting and running torque, and can reduce operating temperatures in the load zone of rolling element bearings.</i></p> | | | | | | | | |
| MOBIL AVIATION GREASE SHC 100 | | 100 | 14,5 | 2 | Lithium Complex | 278 | All Major Aircraft Wheel Builder Approvals | | |
| | <p><i>Mobil Aviation Grease SHC 100 is a supreme performance synthetic grease which combines the unique features of a polyalphaolefin (PAO) synthetic base fluid with those of a high quality lithium complex soap thickener. The thickener system provides a high dropping point, excellent resistance to water wash, and a tenacious structural stability.</i></p> | | | | | | | | |
| MOBILGREASE 33 | | 12,5 | 3,2 | 1-2 | Lithium Complex | 205 | | BMS 3-33B, MIL-PRF-23827C, Am 1, Type I | |
| | <p><i>High performance synthetic multipurpose grease; all applications for which the aircraft manufacturer specifies MIL-PRF-23827 and/or BMS 3-33 greases. This grease's unique polyalphaolefin (PAO) synthetic base oil is not susceptible to the effects of hydrolysis that can occur with greases formulated with ester base oils. Mobilgrease 33 PAO base oil, lithium complex thickener, and robust additive system provides outstanding low temperature and wear performance.</i></p> | | | | | | | | |



ESSO



Passenger Vehicle
Engine Oils

Motorcycle Oils

Product Index

| | |
|--------------------------------|----|
| Esso 2T Synthetic | 03 |
| Esso Ultron Turbo Diesel 5W-40 | 02 |
| Esso Ultron 5W-40 | 01 |
| Esso Ultra 10W-40 | 01 |
| Esso Ultra 913 5W-30 | 01 |
| Esso Uniflo 10W-40 | 01 |
| Esso Uniflo 15W-40 | 01 |
| Esso Uniflo 20W-50 | 01 |
| Esso Extra 15W-40 | 01 |
| Esso Ultra Turbo Diesel 10W-40 | 02 |
| Esso Uniflo Diesel 15W-40 | 02 |
| Esso Uniflo Diesel 20W-50 | 02 |
| Esso Extra Diesel 15W-40 | 02 |



Passenger Vehicle Engine Oils



| Brand name | SAE Grade | Kinematic Viscosity <i>mm²/s or cSt</i> | | Density at 15°C <i>g/cm³</i> | Flash Point °C | Specifications | | |
|-----------------------------|-----------|---|-------|---|----------------------|---|--|--|
| | | 40°C | 100°C | | | Approved | Meets | Quality Level |
| ESSO ULTRON 5W-40 | 5W-40 | 83,2 | 14,1 | 0,85 | 220 | BMW Longlife Oil 98 MB 229.3 VW 505 00, VW 502 00 Approved by PCA Peugeot Citroen Automobiles GM LL-B-025 | API SM/SL/SJ/CF ACEA A3/B3, A3/B4 | |
| | | | | | | | | |
| ESSO ULTRA 10W-40 | 10W-40 | 97 | 14,4 | | | MB 229.1 VW 505 00 | API SL/SJ/CF ACEA A3/B3 | VW 500 00 |
| | | | | | | | | |
| ESSO ULTRA 913 5W-30 | 5W-30 | 59 | 10,6 | 0,85 | 225 | | API SL ACEA A1/B1 Ford WSS M2C913-A Ford WSS M2C913-B | |
| | | | | | | | | |
| ESSO UNIFLO 10W-40 | 10W-40 | 97 | 14,4 | | | | API SL/SJ/CF ACEA A2/B2 | VW 500 00 |
| | | | | | | | | |
| ESSO UNIFLO 15W-40 | 15W-40 | 107 | 14,4 | | | | API SL/SJ/CF ACEA A2/B2 | |
| | | | | | | | | |
| ESSO UNIFLO 20W-50 | 20W-50 | 171 | 19,1 | | | | API SL/SJ/CF ACEA A2/B2 | |
| | | | | | | | | |
| ESSO EXTRA 15W-40 | 15W-40 | 107 | 14,4 | | | | | API SG/CD |
| | | | | | | | | <i>Quality Mineral Engine Oil for passenger vehicles</i> |



Passenger Vehicle Engine Oils



| Brand name | SAE Grade | Kinematic Viscosity <i>mm²/s or cSt</i> | | Density at 15°C <i>g/cm³</i> | Flash Point °C | Specifications | | |
|---|---|---|-------|---|----------------------|---|--------------------------------------|---------------------|
| | | 40°C | 100°C | | | Approved | Meets | Quality Level |
| ESSO ULTRON TURBO DIESEL 5W-40 | 5W-40 | 83,2 | 14,1 | 0,85 | 220 | MB 229.3 VW 505 00 Approved by PCA Peugeot Citroen Automobiles GM LL-B-026 | API SM/SL/SJ/CF ACEA A3/B3, A3/B4 | BMW Longlife Oil 98 |
| | <i>Super Premium Synthetic Diesel Engine Oil developed to provide an outstanding level of protection and performance. Specifically recommended for use in most vehicles including high performance, turbo-charged and supercharged diesel multi-valve fuel injected engines.</i> | | | | | | | |
| ESSO ULTRA TURBO DIESEL 10W-40 | 10W-40 | 97 | 14,4 | | | VW 505 00 MB 229.1 | API CF ACEA A3/B3 | |
| | <i>Premium Semi-Synthetic Diesel Engine Oil designed to provide a superior level of protection and performance. Recommended for normal to occasionally severe driving conditions in naturally aspirated and turbo-charged diesel engines in passenger cars and light commercial vehicles.</i> | | | | | | | |
| ESSO UNIFLO DIESEL 15W-40 | 15W-40 | 107 | 14,4 | | | | API CF | ACEA B2 |
| | <i>High Quality Mineral Diesel Engine Oil. Recommended for normal driving conditions in most vehicles.</i> | | | | | | | |
| ESSO UNIFLO DIESEL 20W-50 | 20W-50 | 171 | 19,1 | | | | API CF | ACEA B2 |
| | <i>High Quality Mineral Engine Oil. Recommended for normal driving conditions in most vehicles.</i> | | | | | | | |
| ESSO EXTRA DIESEL 15W-40 | 15W-40 | 107 | 14,4 | | | | | API CD |
| | <i>Quality Mineral Diesel Engine Oil for passenger vehicles</i> | | | | | | | |



Motorcycle Oils



| Brand name | SAE Grade | Kinematic Viscosity <i>mm²/s or cSt</i> | | Viscosity Index | Density at 15°C <i>g/cm³</i> | Pour Point °C | Specifications | | |
|--------------------------|---|---|-------|-----------------|--|------------------|----------------|--|---------------|
| | | 40°C | 100°C | | | | Approved | Meets | Quality Level |
| ESSO 2T SYNTHETIC | | 83 | 12,7 | 154 | 0,88 | -42 | | API TC JASO FC Can claim the following: API TC JASO FD/FC ISO E-GC/E-GD TISI SAE Grade 1 SAE Grade 2 | |
| | <i>Premium quality fully synthetic lubricant for use in a wide range of two stroke motorcycles.</i> | | | | | | | | |

Useful Information

ISO Viscosity Classification System

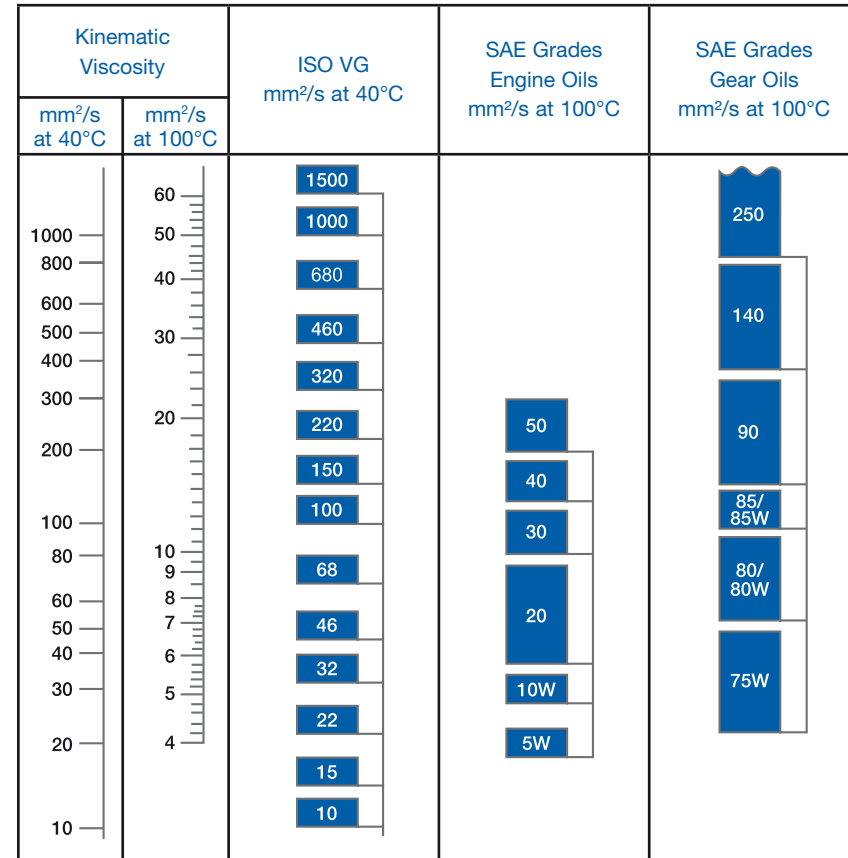


ISO Viscosity Classification System

The ISO Viscosity Grades are an International System approved by the International Standards Organisation for classifying lubricants according to viscosity. Each ISO Viscosity Grade corresponds to a mid-point of a viscosity range expressed in centiStokes (cSt or mm²/s) at 40°C.

| ISO Viscosity Grade | Viscosity Ranges at 40°C | Mid Point |
|---------------------|--------------------------|-----------|
| ISO VG 2 | 1,98-2,42 | 2,2 |
| ISO VG 3 | 2,88-3,52 | 3,2 |
| ISO VG 5 | 4,14-5,06 | 4,6 |
| ISO VG 7 | 9,00-11,00 | 6,8 |
| ISO VG 10 | 16,5-16,5 | 10 |
| ISO VG 15 | 19,8-2,42 | 15 |
| ISO VG 22 | 28,8-35,2 | 22 |
| ISO VG 32 | 41,4-50,6 | 32 |
| ISO VG 46 | 61,2-74,8 | 46 |
| ISO VG 68 | 90,0-110 | 68 |
| ISO VG 100 | 135-165 | 100 |
| ISO VG 150 | 198-242 | 150 |
| ISO VG 220 | 288-352 | 220 |
| ISO VG 320 | 414-506 | 320 |
| ISO VG 460 | 414-506 | 460 |
| ISO VG 680 | 612-748 | 680 |
| ISO VG 1000 | 900-1000 | 1000 |
| ISO VG 1500 | 1350-1650 | 1500 |

Viscosity Classification Equivalents



SAE Viscosity Grades for Engine Oils

| SAE Viscosity Grade | Low Temperature (°C) Cranking Viscosity ² , cP Max | Low Temperature (°C) Pumping Viscosity ³ , (cP) Max with No Yield Stress ³ | Kinematic Viscosity ⁴ , cSt at 100°C | |
|---------------------|---|--|---|-------|
| | | | Min | Min |
| 0W | 6,200 at -35 | 60,000 at -40 | 3.8 | - |
| 5W | 6,600 at -30 | 60,000 at -35 | 3.8 | - |
| 10W | 7,000 at -25 | 60,000 at -30 | 4.1 | - |
| 15W | 7,000 at -20 | 60,000 at -25 | 5.6 | - |
| 20W | 9,500 at -15 | 60,000 at -20 | 5.6 | - |
| 25W | 13,000 at -10 | 60,000 at -15 | 9.3 | - |
| 20 | - | - | 5.6 | <9.3 |
| 30 | - | - | 9.3 | <12.5 |
| 40 | - | - | 12.5 | <16.3 |
| 50 | - | - | 16.3 | <21.9 |
| 60 | - | - | 21.9 | <26.1 |

NOTE: 1 cP = 1 mPa•s; 1 cSt = 1mm²/s.

1 All values are critical specifications as defined by ASTM D 3244.

2 ASTM D 5293.

3 ASTM D 4684. Note that the presence of any yield stress detectable by this method constitutes a failure regardless of viscosity.

4 ASTM D 445.

SAE Axle and Manual Transmission Gear Oils Viscosity Classification

| SAE Viscosity Grade | Maximum Temperature for Viscosity of 150,000 cP (°C) | Kinematic Viscosity at 100° (cSt) ^b | |
|---------------------|--|--|---------|
| | | Minimum | Maximum |
| 70W | -55c | 4.1 | - |
| 75W | -40 | 4.1 | - |
| 80W | -26 | 7.0 | - |
| 85W | -12 | 11.0 | - |
| 90 | - | 13.5 | <24.0 |
| 140 | - | 24.0 | <41.0 |
| 250 | - | 41.0 | - |

a Centipoise (cP) is the customary absolute viscosity unit and is numerically equal to the corresponding SI unit of millipascal-second (mPa•s).

b Centistokes (cSt) is the customary kinematic viscosity unit and is numerically equal to the corresponding SI unit of square millimeter per second (mm²/s).

Grease Consistency (NLGI)

| Grade NLGI | Penetration 0,1 mm 25°C (after 60-stroke worked) |
|------------|--|
| 000 | 445-475 |
| 00 | 400-300 |
| 0 | 355-385 |
| 1 | 310-340 |
| 2 | 265-295 |
| 3 | 220-250 |



Notes

A series of horizontal dotted lines for taking notes.

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