



Mobil Automotive and Aviation Lubricants Product Catalogue



Mobil **1**

Mobil Super

Mobil Delvac

Mobil Delvac **1**

Automotive

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Mobil 1 5W-50
Mobil 1 15W-50
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Automotive

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PETROL ENGINE OILS

Mobil 1 0W-40

Mobil 1 0W-40 is an advanced performance synthetic engine oil designed to help provide exceptional cleaning power, wear protection and overall performance. Mobil 1 0W-40 meets or exceeds the requirements of leading industry and car manufacturers' standards required for newer modern gasoline and diesel powered automobile engines. Mobil 1 Technology is race proven and the choice of NASCAR racing. Mobil 1 0W-40 is perfect for all types of vehicles and has the performance reserve to protect when conventional engine oils may not. Mobil 1 Technology comes as standard equipment in many different performance vehicles.

Mobil 1 0W-40 is recommended for all types of modern vehicles, especially high-performance turbo-charged, supercharged gasoline and diesel multi-valve fuel injected engines found in passenger cars, SUVs, light vans and trucks.

- Mobil 1 0W-40 is especially suitable for extreme conditions, where conventional oil often may not perform.
- Mobil 1 is not recommended for 2-Cycle or aviation engines, unless specifically approved by the manufacturer.

Meets or exceeds the requirements of:

API SN/SM/SL/SJ, ACEA A3/B3 & A3/B4, and Nissan GT-R.

Has the following builder approvals:

BMW Longlife-01, MB-Approval 229.3 & MB-Approval 229.5, Porsche A40 and VW 502.00/505.00.

Recommended by ExxonMobil for use in applications requiring API CF.

Mobil 1 ESP Formula 5W-30

Mobil 1 ESP Formula 5W-30 is an advanced performance synthetic engine oil designed to help provide exceptional cleaning power, wear protection and overall performance. Mobil 1 ESP Formula 5W-30 has been expertly engineered to help prolong the life and maintain the efficiency of emission systems in both diesel and gasoline powered automobiles. Mobil 1 ESP Formula 5W-30 meets or exceeds the requirements of many leading industry and car manufacturers' standards required for newer modern diesel and gasoline powered passenger car engines.

Mobil 1 ESP Formula 5W-30 is recommended for all types of modern automobile engines, especially the high-performance gasoline and diesel engines found in the latest passenger cars, SUVs and light vans.

- Mobil 1 ESP Formula 5W-30 is especially suitable for extreme conditions, where conventional oil often may not perform
- It is not recommended for 2-Cycle or aviation engines, unless specifically approved by the manufacturer.

Meets or exceeds the requirements of:

ACEA C2 & C3, API SM & SN Engine Test Requirements, and JASO DL-1.

Has the following builder approvals:

AAE Standard STO 003-05 (Group B6), AvtoVAZ Group "Luxe", BMW Longlife-04, Chrysler MS-11106, MB-Approval 229.31 & MB-Approval 229.51, Porsche C30, PSA (Peugeot/Citroën Automobiles) B712290 & B712297, and VW 504.00/507.00 which also cover most applications previously requiring VW 506.01/506.00/505.01/505.00/503.01/503.00/ 502.00 (consult dealer).

Recommended by ExxonMobil for use in applications requiring API CF.

Mobil 1 5W-30

Mobil 1 5W-30 is an advanced full synthetic engine oil designed to keep your engine running like new by providing exceptional wear protection, cleaning power and overall performance. Mobil 1 5W-30 meets or exceeds the requirements of the industry's toughest standards and outperforms our conventional oils. Mobil 1 technology comes as standard equipment in many different vehicles, including select high-performance vehicles.

Mobil 1 5W-30 is recommended for all types of modern vehicles, including high-performance turbo-charged, supercharged gasoline and diesel multi-valve fuel injected engines found in passenger cars, SUVs, light vans and trucks.

- Mobil 1 5W-30 is general purpose engine oil for all types of cars
- Mobil 1 5W-30 is not recommended for 2-Cycle or aviation engines, unless specifically approved by the manufacturer.

Meets or exceeds the requirements of:

API SN/SM/SL/SJ, ACEA A1/B1 & A5/B5, ILSAC GF-5, and Ford WSS-M2C946-A & WSS-M2C929-A.

Has the following builder approvals:

**General Motors Service Fill dexos1™ (license number GB1A0915015),
and Honda / Acura HTO-06.**

Recommended by ExxonMobil for use in applications requiring API CF.

Mobil 1 5W-50

Mobil 1 5W-50 is an advanced full synthetic engine oil designed to help provide exceptional wear protection for a smooth driving experience every time. Mobil 1 5W-50 meets or exceeds the requirements of industry and car manufacturers' standards for high-performance turbo-charged, supercharged gasoline and diesel multi-valve fuel injected engines. Mobil 1 5W-50 is especially suited for high speed and severe services associated with stop and go driving. In both racing and normal driving applications Mobil 1 5W-50, Rally Formula, helps to provide heavy-duty engine performance and protection for an outstanding driving experience.

Mobil 1 5W-50 is recommended for all types of vehicles, suitable for use in high-performance turbo-charged, supercharged gasoline and diesel multi-valve fuel injected engines found in passenger cars, light vans and trucks.

- Mobil 1 5W-50 is suitable for many types of severe driving applications, especially demanding conditions including high speed highway and stop and go city driving.
- Mobil 1 5W-50 is not recommended for 2-Cycle or aviation engines, unless specifically approved by the manufacturer.

Meets or exceeds the requirements of:

API SN/SM/SL/SJ, ACEA A3/B3 & A3/B4, and Lexus LFA Service Fill.

Has the following builder approvals:

**BMW High Performance Diesel Oil, Lexus LFA Factory Fill, Porsche A40,
MB-Approval 229.1 & MB-Approval 229.3, and VW 501.01/505.00.**

Recommended by ExxonMobil for use in applications requiring API CF.

Mobil 1 15W-50

Mobil 1 15W-50 is an advanced full synthetic engine oil designed to help provide exceptional wear protection for a smooth driving experience. Mobil 1 15W-50 meets or exceeds the requirements of the industry and car manufacturers' standards required for high-performance turbo-charged, supercharged gasoline and diesel multi-valve fuel injected engines. Mobil 1 15W-50 is a winning, race-proven technology. It is especially suited for a wide variety of motorsports applications, towing, and other severe service situations. Mobil 1 15W-50 helps to provide outstanding engine oil performance and protection for the winning edge. Mobil 1 is the official motor oil of NASCAR.

Mobil 1 15W-50 is recommended for all types of vehicles, suitable for use in high-performance turbo-charged, supercharged gasoline and diesel multi-valve fuel injected engines found in passenger cars, light vans and trucks.

- Mobil 1 15W-50 is suitable for use under extreme engine stress conditions, where conventional oil often may not perform.
- Mobil 1 15W-50 is not recommended for 2-Cycle or aviation engines, unless specifically approved by the manufacturer.

**Meets or exceeds the requirements of:
API SN/SM/SL/SJ, and ACEA A3/B3**

Recommended by ExxonMobil for use in applications requiring API CF.

Mobil Super 3000 X2 5W-40

The Mobil Super 3000 range of lubricants are ultra-premium synthetic engine oils, designed to provide outstanding levels of protection and performance.

Mobil Super 3000 products are formulated to give you confidence of protection beyond that of conventional or semi-synthetic oils. We particularly recommend Mobil Super 3000 if you regularly experience demanding conditions where it can help combat the damage caused by frequent high engine stress:

- Nearly all engine technologies
- Gasoline and Diesel
- Passenger cars, SUV's, light trucks and vans
- Highway cruising and stop and go city driving
- Normal to frequently severe operating conditions
- Turbo-Chargers and Direct Injection engines
- High Performance Engines

Always consult your owner's manual to check recommended viscosity grade and specifications for your particular vehicle.

Meets or exceeds the requirements of:

API SN/SM/SL/SJ, and ACEA A3/B3 & A3/B4.

Has the following builder approvals:

BMW Longlife-01, MB-Approval 229.3, Porsche A40, Renault RN0700 & RN0710 and VW 502.00/505.00.

Recommended by ExxonMobil for use in applications requiring API CF and GM-LL-B-025.

Mobil Super 3000 XE 5W-30

Mobil Super 3000 XE 5W-30 is a synthetic high-performance low ash engine oil designed to help prolong the life and maintain the efficiency of car exhaust emission reduction systems in both diesel and gasoline powered automobiles.

Mobil Super 3000 XE 5W-30 has been developed to meet the latest specifications for engine oils required by major car manufacturers and is compatible with most latest Diesel Particulate Filters and all gasoline catalytic converters.

Mobil Super 3000 XE 5W-30 offers excellent performance at both very low and very high operating temperatures and long term engine protection from wear and sludge and deposit build-up.

Meets or exceeds the requirements of:

ACEA C3 and API SM/SL.

Has the following builder approvals:

General Motors Service Fill dexos2™ (license number GB1A0914015), BMW Longlife-04, MB-Approval 229.31 & MB-Approval 229.51, and VW 502.00/505.00/505.01.

Recommended by ExxonMobil for use in applications requiring API CF.

Mobil Super 3000 X1 Formula FE 5W-30

Mobil Super 3000 X1 Formula FE 5W-30 is a high performance motor oil designed for use in gasoline and diesel engines that are specifically designed to use a low viscosity (HTHS) motor oil. It meets the requirements of the new Ford WSS-M2C913-C specification.

Mobil Super 3000 X1 Formula FE 5W-30 can be used in a variety of gasoline and diesel automobiles, light trucks and vans designed for use of a low viscosity (HTHS) motor oil.

Mobil Super 3000 X1 Formula FE 5W-30 is intended primarily to meet the requirements of Ford WSS-M2C913-C but is also suitable for use in other vehicles where the viscosity and quality claims are appropriate.

Ford has announced that WSS-M2C913-C is fully backward compatible and is strongly recommended for all applications that currently require the specification WSS-M2C913-A or WSS-M2C913-B.

Meets or exceeds the requirements of:

API SL, ACEA A5/B5 and Ford WSS-M2C913-C.

Also suitable for applications requiring Ford WSS-M2C913-B and Ford WSS-M2C913-A.

Mobil Super 3000 Formula V 5W-30

Mobil Super 3000 Formula V 5W-30 is a low ash high performance motor oil designed to meet the demanding requirements of extended service life whilst still contributing towards fuel economy and superior engine cleanliness.

Mobil Super 3000 Formula V 5W-30 has been designed to meet the needs of the latest engine requirements of the VW Audi group where extended drain is required in conjunction with electronic service indicators with VW extended drain service schedule.

Meets or exceeds the requirements of:
ACEA C2 & C3.

Has the following builder approvals:
Porsche C30 and VW 504.00/507.00.

Mobil Super 3000 Formula D1 5W-30

Mobil Super 3000 Formula D1 5W-30 is a low ash high performance motor oil designed to help prolong the life and maintain the efficiency in gasoline powered automobiles. It is primarily intended for use in GM vehicles where a dexos1™ approved product is required.

Mobil Super 3000 Formula D1 5W-30 offers excellent performances at both low and high operating temperatures and long term engine protection. Key features and benefits include:

- Helps maintain efficiency of gasoline catalytic convertors
- Protects engines from wear and deposit build-up
- Helps fuel economy through reduced friction
- Suitable for use in both gasoline passenger cars and light commercial vehicles

dexos1™ is required for all 2010 new GM/Opel/Vauxhall/Chevrolet Gasoline models. GM/Opel has advised that dexos1™ specification is backward compatible to older GM/Opel specifications (GM-LL-A-025 and GM-LL-B-025). The majority of GM/Opel/Vauxhall/Chevrolet Gasoline vehicles can use dexos1™ lubricants.

Meets Meets or exceeds the requirements of:

API SN/SM and ILSAC GF-5.

Has the following builder approvals:

General Motors Service Fill dexos1™ (license number GB1B1116015)

Mobil Super 3000 Formula G 5W-40

Mobil Super 3000 Formula G 5W-40 is a low ash high performance motor oil designed to help prolong the life and maintain the efficiency of the Exhaust Car Emission Reduction Systems in both diesel and gasoline powered automobiles. It is primarily intended for use in GM vehicles where a dexos2™ approved product is required.

Mobil Super 3000 Formula G 5W-40 offers excellent performances at both low and high operating temperatures and long term engine protection. Key features and benefits include:

- Helps maintain efficiency of Diesel particulate filters and gasoline catalytic convertors
- Protects engines from wear and deposit build-up
- Helps fuel economy through reduced friction
- Suitable for use in both gasoline and diesel passenger cars and light commercial vehicles

dexos2™ is required for all 2010 new GM/Opel/Vauxhall/Chevrolet Diesel and Gasoline models. GM/Opel has advised that dexos2™ specification is backward compatible to older GM/Opel specifications (GM-LL-A-025 and GM-LL-B-025). The majority of GM/Opel/Vauxhall/Chevrolet Diesel and Gasoline vehicles can use dexos2™ lubricants..

Meets or exceeds the requirements of:

API SM and ACEA A3/B4 & ACEA C3.

Has the following builder approvals:

General Motors Service Fill dexos2™ (license number GB2B0520015).

Mobil SHC Formula MB 5W-30

Mobil SHC Formula MB 5W-30 is a high-performance engine oil primarily intended for use in Mercedes Benz (MB) vehicles where a product for extended (Long Life) service intervals is required.

Mobil SHC Formula MB 5W-30 offers excellent performance at both very low and very high operating temperatures and long term engine protection from wear and sludge and deposit build-up. The product meets or exceeds the requirements of Mercedes Benz vehicles using extended service intervals where a product approved to their Long Life specifications MB 229.5 is required.

Has the following builder approvals:

MB-Approval 229.3 & MB-Approval 229.5.

Mobil Super 2000 X2 10W-40

The Mobil Super 2000 range of lubricants are enhanced-premium semi-synthetic engine oils, designed to provide an excellent level of protection and performance

Mobil Super 2000 products are industry proven so you can trust you will get the performance you want from your vehicle.

Mobil Super 2000 X2 provides:

- Excellent wear protection
- Excellent engine cleanliness
- Excellent high temperature protection

Mobil Super 2000 products are formulated to give you confidence of protection beyond that of conventional oils.

Meets or exceeds the requirements of:

Meets API SN/SM/SL/SJ and ACEA A3/B3.

Has the following builder approvals:

MB-Approval 229.1 and VW 501.01/505.00.

Recommended by ExxonMobil for use in applications requiring API CF.

Mobil Super 2000 5W-30

The Mobil Super 2000 range of lubricants are enhanced-premium semi-synthetic engine oils, designed to provide an excellent level of protection and performance.

Mobil Super 2000 products are industry proven so you can trust you will get the performance you want from your vehicle. Mobil Super 2000 5W-30 contains low friction semi-synthetic formulation which increases engine efficiency and offers greater fuel economy.

Mobil Super 2000 provides:

- Excellent wear protection
- Excellent engine cleanliness
- Excellent high temperature protection
- Excellent fuel economy (for SAE 5W-30)

Meets or exceeds the requirements of:

API SN/SMSL/SJ, ILSAC GF-5 and Ford WSS-M2C929-A & WSS-M2C946-A.

Recommended by ExxonMobil for use in applications requiring API CF and ILSAC GF-4.

Mobil Super 1000 X2 15W-40

Mobil Super 1000 X2 15W-40 is a premium mineral engine oil, designed to provide a high level of protection and performance.

Mobil Super 1000 products are industry proven so you can trust you will get the performance you want from your vehicle. Mobil Super 1000 X2 provides:

- Good wear protection
- Good engine cleanliness
- Good high temperature protection

Mobil Super 1000 X2 has been formulated to be suitable for use in many vehicles.

Always consult your owner's manual to check recommended viscosity grade and specifications for your particular vehicle.

Meets or exceeds the requirements of:

API SN/SM/SL/SJ and ACEA A3/B3.

Has the following builder approvals:

MB-Approval 229.1.

Recommended by ExxonMobil for use in applications requiring API CF.

Mobil Super 1000 20W-50

Mobil Super 1000 20W-50 is a quality premium mineral motor oils designed to provide a high level of performance and protection under most operating conditions.

This product has been engineered for today's tougher engine specifications. It provides very good engine protection and extends engine life.

Mobil Super 1000 20W-50 is suitable for use in both gasoline and diesel powered vehicles. It is ideally suited for less stressful driving conditions such as highway driving and lower consistent speed conditions.

Meets or exceeds the requirements of:

API SN/SM/SL/SJ.

Recommended by ExxonMobil for use in applications requiring API CF.

Mobil Super 1000 Diesel 15W-40

Mobil Super 1000 Diesel 15W-40 is a premium mineral motor oil that is specially designed to suit diesel-powered cars and light commercial vehicles, providing a high level of performance and protection under everyday conditions.

Mobil Super 1000 Diesel 15W-40 is industry proven so you can trust you will get the performance you expect from your vehicle.

Meets or exceeds the requirements of:

API CI-4/CH-4/SL/SJ and ACEA E7.

Recommended by ExxonMobil for use in applications requiring API CG-4/CF-4/CF.

Mobil Formula X2 5W-40

The Mobil Formula range of lubricants are ultra-premium synthetic engine oils, designed to provide outstanding levels of protection and performance.

Mobil Formula products are industry proven so you can trust you will get the performance you want from your vehicle.

Mobil Formula X2 provides:

- Outstanding wear protection
- Outstanding engine cleanliness
- Outstanding high temperature protection
- Outstanding low temperature protection

Mobil Formula products are formulated to give you confidence of protection beyond that of conventional or semi-synthetic oils.

We particularly recommend Mobil Formula if you regularly experience demanding conditions where it can help combat the damage caused by frequent high engine stress.

Always consult your owner's manual to check recommended viscosity grade and specifications for your particular vehicle.

Meets or exceeds the requirements of:

API SN/SM/SL/SJ, and ACEA A3/B3, A3/B4.

Has the following builder approvals:

BMW Longlife-01, MB-Approval 229.3, Porsche A40, Renault RN0700 & RN0710 and VW 502.00/505.00

Recommended by ExxonMobil for use in applications requiring API CF and GM-LL-B-025.

Mobil Formula S2 10W-40

Mobil Formula S2 10W-40 is a premium semi-synthetic engine oil formulated to provide engine protection beyond that of conventional engine oils.

Mobil Formula S2 10W-40 provides:

- Outstanding wear protection
- Excellent engine cleanliness
- High temperature protection

Mobil Formula S2 10W-40 is suitable for use in gasoline, LPG and light to medium diesel powered vehicles. It is ideally suited for normal to occasionally severe operating conditions, highway cruising and some high performance applications.

Meets or exceeds the requirements of:

Meets API SN/SM/SL/SJ and ACEA A3/B3.

Has the following builder approvals:

MB-Approval 229.1 and VW 501.01/505.00.

Recommended by ExxonMobil for use in applications requiring API CF.

Mobil Formula S 5W-30

Mobil Formula S 5W-30 is a premium synthetic engine oil.

Mobil Formula S 5W-30 provides

- Excellent fuel economy
- Outstanding wear protection
- Excellent engine cleanliness
- High temperature protection

Mobil Formula S 5W-30 is suitable for use in gasoline and LPG powered vehicles. It is ideally suited for normal to occasionally severe operating conditions and highway cruising.

Meets or exceeds the requirements of:

API SN/SM/SL/SJ, ILSAC GF-5 and Ford WSS-M2C929-A & WSS-M2C946-A.

Recommended by ExxonMobil for use in applications requiring API CF and ILSAC GF-4.



MOTOR CYCLE PRODUCTS

Mobil 1 Racing 4T 10W-40

Mobil 1 Racing 4T combines high performance synthetic basestocks and a precisely balanced component system to help provide outstanding engine cleanliness, excellent wear protection at high temperatures and highly effective protection from corrosion. Use of Mobil 1 Racing 4T helps to maintain maximum power output due to the inherently strong performance and protection provided by the synthetic technology. This specially engineered motorcycle engine oil helps to deliver unsurpassed performance under severe operating conditions in All Seasons, driving environments, from mild to severe, and on the racetrack.

Advantages and potential benefits include:

- Consistent power due to reduced frictional losses
- Fluid film protection at all operating temperatures minimizing deposit formation especially at the high operating temperatures found in air-cooled engines
- Effective lubrication at low ambient temperatures helping to enable easy starting, rapid wear protection and less drain on starter systems
- Outstanding engine cleanliness, smooth and reliable operation
- Long life of critical valve train and bearing components

Mobil 1 Racing 4T is specifically recommended for lubrication of four-stroke motorcycle engines in high performance motorcycles.

Meets or exceeds the requirements of:

API SN/SM/SL/SJ and JASO MA.

Mobil 1 V-Twin 20W-50

Mobil 1 V-Twin 20W-50 combines high performance synthetic basestocks technology with a precisely balanced component system to help provide outstanding engine cleanliness, excellent wear protection at high temperatures and highly effective protection from corrosion. Regular use of Mobil 1 V-Twin 20W-50 helps maintain maximum power output due to the inherently strong performance and protection provided by the synthetic technology. This specially engineered motorcycle engine oil helps to deliver unsurpassed performance under severe race operation, air-cooled operating conditions and in any driving condition, from mild to severe.

Advantages and potential benefits include:

- Consistent power due to reduced frictional losses
- Fluid film protection at all operating temperatures minimizing deposit formation especially at the high operating temperatures found in air-cooled engines
- Outstanding engine cleanliness, smooth and reliable operation
- Long life of critical valve train and bearing components

Mobil 1 V-Twin 20W-50 is specifically recommended for lubrication of four-stroke motorcycle engines in high performance motorcycles, and meets or exceeds standard industry quality levels.

Meets or exceeds the requirements of:

API SJ.

Recommended by ExxonMobil for use in applications requiring:

API SG/SH/CF.

Mobil Extra 4T 10W-40

Mobil Extra 4T combines a unique blend of high quality mineral and synthesised hydrocarbon baseoils together with an advanced additive system to provide excellent engine cleanliness, wear protection and effective corrosion.

Key benefits include:

- Longer engine component and overall engine life
- Cleaner running engines resulting in smooth flawless operation
- Longer life of valve train and bearing components
- Easier cold weather starting, longer electrical system life

Mobil Extra 4T is specifically recommended for lubrication of all types of four-stroke motorcycle engines, where the latest industry standard qualities are required.

Meets or exceeds the requirements of:

API SJ and JASO MA.

Mobil Super 4T 20W-50

Mobil Super 4T 20W-50 combines highly refined, quality mineral oils and an advanced additive system to provide good engine cleanliness, good wear protection and corrosion protection.

Key benefits include:

- Good wear protection
- Thermal and oxidation stability
- Good corrosion protection
- Broad viscosity range

Meets or exceeds the requirements of:

API SJ and JASO MA.

Mobil 1 Racing 2T

Mobil 1 Racing 2T combines high performance synthetic baseoils with an advanced additive technology to help provide outstanding engine cleanliness in the piston and exhaust valve areas, excellent wear protection and lubricity at high temperatures and virtually eliminates smoke production. This lubricant is engineered to outperform even under some of the severest operating conditions. Key features and potential benefits include:

Key benefits include:

- Long engine life
- protect against premature wear and engine seizing
- Exceptional engine cleaning power helping to result in extended spark plug and valve life, reduced ring sticking, piston tightening and elimination of pre-ignition problems
- Outstanding emissions control

Applications

Mobil 1 Racing 2T is recommended for lubrication of two-stroke engines used in the highest performance motorcycles, snowmobiles and lean oil/fuel ratio chain saws. It is ideal for applications where API TC or JASO FD performance standards are recommended. The product helps to provide outstanding performance even in some of the harshest operating conditions.

Meets or exceeds the requirements of:

API TC, ISO L-EGC, ISO L-EGD, JASO FC & FD, TISI, and SAE Grade 1 & Grade 2.

Mobil Extra 2T

Mobil Extra 2T is a high performance, semi-synthetic, smokeless, two-stroke engine oil developed to meet for high performance motorcycles, snowmobiles and chain saws.

Mobil Extra 2T is pre-diluted to facilitate mixing when added to fuel.

Mobil Extra 2T combines a blend of high quality mineral and synthesised high performance baseoils with an advanced additive system to provide excellent engine cleanliness and no-smoke exhaust performance.

Key benefits include:

- Longer engine life
 - Cleaner engines resulting in extended spark plug and valve life, reduced ring sticking, piston tightening and prevention of pre-ignition problems
 - Smoke-free exhaust
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Meets or exceeds the requirements of:

API TC, ISO L-EGD, and JASO FD.



DIESEL ENGINE OILS

Mobil Delvac 1 ESP 5W-40

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. This includes engines with Exhaust Gas Recirculation (EGR), Aftertreatment systems with Diesel Particulate Filters (DPF's), Diesel Oxidation Catalysts (DOC's), refrigerated units and older, well-maintained engines.

Mobil Delvac 1 ESP 5W-40 is recommended for use in all super high performance diesel applications, including modern low emission engine designs with Exhaust Gas Recirculation (EGR), Aftertreatment systems with Diesel Particulate Filters (DPF's) and Diesel Oxidation Catalysts (DOC's).

Meets or exceeds the requirements of:

API CJ-4/CI-4 PLUS/CI-4/CH-4/SM/SL, ACEA E7 & E9, Caterpillar ECF-3 & ECF-2, and Cummins CES 20081.

Has the following builder approvals:

Detroit Diesel Power Guard Oil Specification 93K218 & 93K214, Deutz DQC III-05, Mack EO-O Premium Plus, EO-N Premium Plus 03, MAN M 3277, MB-Approval 228.31 & MB-Approval 235.27, MTU Oil Category 2.1, Twin Disc S364A and Volvo VDS-4/VDS-3/VDS-2.

Mobil Delvac XHP LE 10W-40

Mobil Delvac XHP LE 10W-40 is a synthetic extra high performance diesel engine oil engineered to provide lubrication to modern, high performance, low emissions engines used in severe on-highway applications. This engine oil is designed using high performance base oils which provide excellent low temperature fluidity, high temperature viscosity retention, volatility control and contribute to potential fuel economy improvement. The new advanced additive system has been expertly engineered to help prolong the life and maintain the efficiency of emission reduction systems such as the Diesel Particulate Filter (DPF). The DPF is used by several truck builders to fulfil the emission requirements of Euro IV and Euro V.

Recommended by ExxonMobil for use in:

- Naturally aspirated and turbo-charged diesel powered equipment made by European manufactures
- On-highway light and heavy-duty trucking
- Modern heavy-duty engines equipped with DPF (Diesel Particulate Filter).

Meets or exceeds the requirements of:

ACEA E7/E6/E4, API CI-4, JASO DH-2, DAF Extended Drain, and Renault Trucks RGD/RLD-2/RXD.

Has the following builder approvals:

Deutz DQC III-05, MAN M 3477, MB-Approval 228.51 & MB-Approval 235.27, MTU Oil Category 3.1, Scania Low Ash, and Volvo VDS-3.

Mobil Delvac MX ESP 15W-40

Mobil Delvac MX ESP 15W-40 is formulated with Trimer additive technology and a mixed detergent system to deliver cutting-edge performance in both new and older engines. In addition to reducing oil thickening due to soot build-up, and outstanding TBN retention for long drain intervals, its advanced technology also provides outstanding resistance to oxidation, corrosive & abrasive wear, and high temperature deposits, as well as reduced oil consumption.

Recommended by ExxonMobil for use in:

- The latest low-emissions, high performance diesel applications equipped with aftertreatment systems using Diesel Particulate Filter (DPF) and Diesel Oxidation Catalyst (DOC) technologies.
- High-performance diesel applications including turbo-charged designs featuring EGR Technology and diesel applications using older, naturally aspirated conventional designs.
- On-highway heavy-duty trucking and off-highway including: construction, mining, quarrying, and agriculture.
- On-highway applications operating in both high speed/high load and short haul pick-up/delivery.
- High performance gasoline engines and mixed fleet operations.

Meets or exceeds the requirements of:

API CJ-4/CI-4 PLUS/CI-4/CH-4/SM/SL, ACEA E7 & E9, Caterpillar ECF-3, Cummins CES 20081, Isuzu DPD Equipped Vehicles, JASO DH-2, and Renault Trucks RLD-3

Has the following builder approvals:

Detroit Diesel Power Guard Oil Specification 93K218 / 93K214, Deutz DQC II-05, Mack EO-O Premium Plus & Mack EO-N Premium Plus 03, MAN M 3575, MB-Approval 228.31, and Volvo VDS-4/ VDS-3 / VDS-2

Recommended by ExxonMobil for use in applications requiring:

API CG-4/CF-4/CF-2/CF and MAN M 3275-1.

Mobil Delvac MX 15W-40

Mobil Delvac MX 15W-40 is a high performance diesel engine oil that provides excellent lubrication of diesel engines and promotes extended engine life. This high performance has been proven in the field in a wide variety of industries, applications, and mixed fleets.

This product provides outstanding performance in heavy duty diesel engines.

Recommended by ExxonMobil for use in:

- Naturally aspirated and turbo-charged diesel powered equipment from leading Japanese, European, and American manufacturers
- On-highway light and heavy-duty trucking
- Off-highway industries including: construction, mining, quarrying, and agriculture
- Mixed fleet applications

Meets or exceeds the requirements of:

API CI-4/CH-4/SL/SJ, ACEA E7, Caterpillar ECF-2, Cummins CES 20076/20077/20078, JASO DH-1 and Renault Trucks RLD.

Has the following builder approvals:

Mack EO-M PLUS, MAN M 3275-1, MB-Approval 228.3, and Volvo VDS-3/VDS-2.

Recommended by ExxonMobil for use in applications requiring:

API CG-4/CF-4/CF, ACEA E5, Allison C-4, Cummins CES 20071/20072, Detroit Diesel 7SE 270 (4-Stroke Cycle), Mack EO-N Premium Plus, and ZF TE-ML 04C.

Mobil Delvac 1600 Monogrades

Mobil Delvac 1630 and 1640 are extra high performance diesel engine oils formulated from advanced base oils and a balanced additive system to meet or exceed the demanding specifications of the world's leading builders of modern diesel engines. They are recommended by ExxonMobil for use in European and Japanese-designed intercooled, highly turbocharged engines operating under the most severe on and off-highway conditions where a monograde lubricant is recommended.

Recommended by ExxonMobil for use in:

- Diesel-powered equipment from leading diesel engine manufacturers
- On-highway light and heavy-duty trucking
- Off-highway industries including: construction, quarrying, and agriculture

Meet or exceed the requirements of:

JASO DH-1

Have the following builder approvals:

MAN 4-Stroke Medium Speed Diesel Engines & MAN 270, MB-Approval 228.2, MTU Oil Category 2, Wartsila Medium Speed Diesel Engines, and ZF TE-ML 04B.

Recommended by ExxonMobil for use in applications requiring:

ACEA E2, and API CF/SF.

Mobil Delvac 1300 Monogrades

Mobil Delvac 1330 and 1340 are high performance, heavy duty diesel engine oils formulated from advanced technology base oils and a balanced additive system. They are specifically engineered for performance in intercooled, turbo-charged engines operating under severe on and off highway conditions. Mobil Delvac 1300 monogrades are used in a wide range of applications where a monograde lubricant is recommended.

Recommended by ExxonMobil for use in:

- Naturally aspirated and turbo-charged diesel powered equipment
- On highway light and heavy duty trucking
- Off highway industries including: construction, mining, quarrying, and agriculture

Recommended by ExxonMobil for use in applications requiring:

API CF/SF, MB 227.0, and Allison C-4 (Delvac 1330 only).

Mobil Delvac 1240

Mobil Delvac 1240 is a heavy duty, diesel engine oil formulated from high performance base oils and a balanced additive system of ashless dispersants, metallic detergents, and inhibitors to control oxidation, wear, corrosion, and rust. It is used in a wide range of applications where a SAE 40 monograde lubricant is recommended including 2-cycle diesel applications (e.g. the Detroit Diesel's Series 53, 71, and 92 two-cycle engines).

Recommended by ExxonMobil for use in:

- Diesel powered equipment including 2-cycle applications
- On highway light and heavy duty trucking
- Off highway industries including: construction, mining, quarrying, and agriculture

Recommended by ExxonMobil for use in applications requiring:

API CF-2/CF/SF.

Mobil Agri Super 15W-40

Mobil Agri Super 15W-40 is a high performance, multi-functional lubricant for most farm equipment applications. This Super Tractor Oil Universal (STOU) lubricant provides good performance in diesel and gasoline engines, transmissions, hydraulics, final drives, and oil-immersed brakes operating in agricultural service. Mobil Agri Super is recommended for use in a wide range of heavy-duty applications and operating environments found in the farming industry.

Recommended by ExxonMobil for use in:

- Mixed diesel and gasoline-powered farm vehicles and equipment
- Farm equipment transmissions and power systems requiring multifunctional fluid

Has the following builder approvals:

ZF-TE ML 06B/07B

Recommended by ExxonMobil for use in applications requiring:

Allison C-4 (agricultural applications only), API CF-4/CF/SF, API GL-4, Caterpillar TO-2, Ford WSS-M2C-159B, John Deere J27 and Massey Ferguson MF1139/1144/1145.



TRANSMISSION FLUIDS

Mobil 1 Synthetic ATF

Mobil 1 Synthetic ATF is a multi-vehicle, fully synthetic fluid designed to meet the demanding requirements of modern passenger vehicles.

Mobil 1 Synthetic ATF outperforms conventional ATFs and helps to provide outstanding resistance to oil breakdown and deposits. The inherently high viscosity index and stability of Mobil 1 Synthetic ATF helps to protect against thermal breakdown at high operating temperatures, while still providing outstanding performance at ambient temperatures as low as -54° C. Further, it helps to improve overall transmission durability and cleanliness

Applications

- Mobil 1 Synthetic ATF is a multi-vehicle formula recommended for use in modern high performance automobiles, SUV's, SUT's, vans and other light trucks Recommended by ExxonMobil for use in applications requiring Dexron III , Ford Mercon and Mercon V performance levels
- Recommended by ExxonMobil for use in off-highway power transmission applications requiring an Allison C-4 fluid
- Recommended by ExxonMobil for use in any power steering unit where a Dexron or Mercon fluid is recommended

Meets or exceeds the requirements of:

Ford Mercon V and JASO 1-A.

Recommended by ExxonMobil for use in applications requiring:

Allison C-4, Ford Mercon, GM Dexron, GM Dexron II/IID/IIIE/IIIG/IIIH, MAN 339 Typ V-1, Voith Turbo H55.6335.3X and Volvo 97340 & 97341.

Mobil Delvac Synthetic ATF

Mobil Delvac Synthetic ATF is a fully synthetic fluid recommended by Allison Transmission, Inc. approved against the Allison TES-295 Specification. The fluid is designed to meet the demanding requirements of modern heavy duty automatic transmissions. The synthetic base oil composition enables excellent performance even in some of the harshest of operating conditions. It offers outstanding gear shifting and power transfer performance. Versus conventional ATF fluids, the inherently high viscosity index and stability of Mobil Delvac Synthetic ATF protects against thermal breakdown at high operating temperatures, while still providing outstanding performance at sub-zero temperatures.

Mobil Delvac Synthetic ATF is recommended by ExxonMobil for use in modern high performance trucks, buses, utility vehicles, haulers, vans and other equipment requiring Allison TES-295 or MB-Approval 236.91 performance levels.

Has the following builder approvals:

Allison TES-295 (Approval No. 051005), MB-Approval 236.91, Voith Turbo H55.633639, and Voith Turbo / DIWA Service Bulletins 013 & 118 for extended drain.

Mobil Multipurpose ATF

Mobil Multipurpose ATF is a high performance, automatic transmission fluid designed to meet the service fill requirements for many North American designed vehicles. Mobil Multipurpose ATF provides reliable performance including smooth & consistent all weather shifting and all-around lubrication protection of the transmission components. Use of Mobil Multipurpose ATF can lead to dependable longer transmission service life and a smooth driving experience.

Key features and benefits include:

- Excellent thermal and oxidation stability for long and consistent transmission performance
- Friction modifiers improve transmission efficiency and shifting performance
- Good film-strength and anti-wear properties reduce wear and maintain good transmission life
- Excellent low-temperature properties provide easier start-ups and improved lubrication at low ambient temperatures
- Effective foam control properties provide consistent shifting performance and reduce fluid losses in severe service
- Compatibility with all common seal materials helping the control of oil leakage
- Satisfies most new car requirements to give the user confidence

Recommended by ExxonMobil for use in applications requiring:

Allison C-4, Ford Mercon, and GM Dexron IIIH.

Mobil ATF 220

Mobil ATF 220 is formulated from high-quality conventional base oils combined with a special additive system including viscosity index improvers, antioxidants, and defoamers providing smooth and controlled friction/wear characteristics. The product provides consumers an excellent driving experience even in broad range of driving conditions in a wide variety of pre-1994 automobiles. Key features and benefits include:

Mobil ATF 220 is recommended for some automatic and manual transmissions in passenger cars and light trucks specifying Dexron IID level performance as well as the related power steering systems. It is also suitable for use in some special hydraulic systems in farm equipment and other installations having similar fluid requirements. It is recommended that the user consult the manufacturer's requirements.

Other applications include:

- Off-highway transmissions power steering and other hydraulic systems requiring a Dexron IID or Allison C-4 fluid.
- Industrial hydraulic systems and components.

Has the following builder approvals:

MAN 339 Typ V-1 & MAN 339 Typ Z-1, MB-Approval 236.7, Voith Turbo H55.633539 (G607), and ZF TE-ML-03D/04D/11A/14A/17C.

Recommended by ExxonMobil for use in applications requiring:

Allison C-4, Caterpillar TO-2, Ford WSS-M2C163-A, GM Dexron II/IID, GM Type A Suffix A, and Renk Dornat.

Mobil ATF 3309

Mobil ATF 3309 is an exceptionally high performance lubricant that meets original equipment manufacturers' specifications for use in certain slip-controlled lock-up automatic transmissions.

The unique formulation of Mobil ATF 3309 is designed to provide excellent lubrication in slip-controlled lock-up automatic transmissions. These outstanding performance capabilities translate into significant operational benefits.

Mobil ATF 3309 is recommended for use in transmissions with a slip-controlled lock-up clutch system. Please refer to the owners' manual for proper fluid requirements.

Mobil ATF 95LE

An automatic transmission fluid which is made from high quality base oils with antioxidants, antiwear agents, defoamants and special additives to meet the controlled frictional characteristics of BTR Engineering (Australia) Limited Four (4) Speed automatic transmissions Models 85LE, 91LE and 95LE. Mobil ATF 95LE is recommended for Ford vehicles equipped with four speed automatic transmissions.

- Correct frictional properties for smooth shifting
- Very good high temperature stability to resist lacquer and deposit formation
- Good protection against wear and excellent foam resistance.



GEAR OILS

Mobil 1 Synthetic Gear Lube LS 75W-90

Mobil 1 Synthetic Gear Lube LS is a supreme performance, synthetic, multi-purpose, SAE 75W-90 automotive gear lubricant designed to help meet the highest level performance requirements of modern passenger vehicles in all types of operating conditions including limited slip applications, as well as, deliver outstanding power transfer performance. Compared to conventional hypoid gear lubricants, Mobil 1 Synthetic Gear Lube LS 75W-90 performs exceptionally over a wide range of temperatures.

Mobil 1 Synthetic Gear Lube LS 75W-90 achieves this through a unique proprietary formulation, that delivers optimized viscosity-temperature properties together with the highest level of inherent formulation stability. It also helps to protect against thermal and oxidative degradation, wear and corrosion, and viscosity loss associated with premature shearing. It also can be used in extended service and for aiding in fuel economy performance.

Recommended by ExxonMobil for use in:

- modern high performance automobiles including SUV's, Vans and Light duty trucks requiring API GL-5 level performance
- initial fill, topping-off or refilling differentials, final drives, transfer cases and other gear applications where lubricants meeting API Service GL-5 and multi-purpose or mild EP gear lubricants are recommended
- Not recommended for automatic, manual or semiautomatic transmissions for which engine oil or automatic transmission fluids are recommended
- Where extended service intervals and warranties are required

Meets or exceeds the requirements of:

API GL-5

Mobilube 1 SHC 75W-90

Mobilube 1 SHC 75W-90 is a fully synthetic, high performance commercial gear lubricant formulated using advanced base oils and the latest technology additive system. This lubricant is engineered for heavy duty manual transmissions and rear axles where operations require gear lubricants with excellent load-carrying capability over wide operating temperatures and where extreme pressures and shock loading are expected. Mobilube 1 SHC 75W-90 has excellent thermal and oxidation stability, high inherent Viscosity Index (VI), extremely low pour point, and outstanding low temperature fluidity.

Recommended by ExxonMobil for use in:

- On-highway light- and heavy-duty trucks, busses, vans, and cars
- Off-highway industries including: construction, quarrying, and agriculture
- Transmissions and axles and other applications where lubricants meeting API GL-4, GL-5 or MT-1 where mild extreme pressure gear lubricants are recommended
- Not intended for automatic, manual, or semi-automatic transmissions for which engine oil or automatic transmission fluids are recommended
- Applications where extended service intervals and warranties are required

Meets or exceeds the requirements of:

API GL-5 & MT-1, Scania STO 1:0, and ZF TE-ML 07A/08.

Has the following builder approvals:

JSC AVTODIZEL YaMZ Gearboxes, MAN M 3343 Typ S & MAN 341 Typ E3, MB-Approval 235.8, and ZF TE-ML 02B/05B/12B/16F/17B/19C/21B.

Recommended by ExxonMobil for use in applications requiring:

API GL-4

Mobil Delvac Synthetic Gear Oil 75W-90, 80W-140

Mobil Delvac Synthetic Gear Oil 75W-90 and 80W-140 are synthetic drivetrain lubricants engineered to meet the most demanding extended drain and warranty requirements. These products are designed for use in heavy-duty drivetrains that require gear lubricants with relatively high viscosity and excellent load-carrying capability and where extreme pressures and shock loading are expected. Mobil Delvac Synthetic Gear Oil 75W-90 and 80W-140 incorporate the latest technology in synthetic basestocks and advanced additives providing significant advantages over mineral gear oils.

Recommended by ExxonMobil for use in:

- Heavy-duty manual transmissions, axles and final drives requiring API GL-5 and MT-1 performance
- On-highway light and heavy-duty trucks, busses and vans
- Off-highway industries including: construction, mining, quarrying, and agriculture
- Other heavy-duty industrial gear drives including hypoid and worm gears operating under conditions where high speed/shock load, high speed/low torque, and/or low speed/high torque conditions prevail
- Differentials, final drives, transfer cases and other gear applications where lubricants meeting MIL-PRF-2105E, API Service GL-5 , EP gear lubricants are recommended
- Applications where extended service intervals and warranties are required

Mobil Delvac Synthetic Gear Oil 75W-90 meets or exceeds the requirements of: API GL-5 & MT-1, SAE J2360, Scania STO 1:0, and ZF TE-ML 07A/08. In addition it has the following builder approvals:

Arvin Meritor O76-N, DANA SHAES 429 & DANA SHAES 256 Rev C, Flender BA 7302 Table R1, International TMS-6816, Mack GO-J PLUS, MB-Approval 235.8, MAN 342 Typ M2, Voith Turbo 3.325-340 / 3.325-342, and ZF TE-ML 05B/12B/16F/17B/19C/21B,

Mobil Delvac Synthetic Gear Oil 80W-140 meets or exceeds the requirements of: API GL-5 & MT-1, SAE J2360, and Scania STO 1:0.

In addition it has the following builder approvals:

Arvin Meritor O76-N, DANA SHAES 429, International TMS-6816, Mack GO-J, and ZF TE-ML 05B/12B/16F/19C/21B.

Mobil Delvac Synthetic Transmission Fluid 50

Mobil Delvac Synthetic Transmission Fluid 50 is a fully synthetic, manual transmission lubricant engineered to meet the most demanding extended drain and OEM warranty requirements. It is recommended for year-round lubrication of manual transmissions in light to severe duty on- and off-highway equipment operating in a wide range of environments. Designed to provide maximum protection and extended operating life to heavy duty transmissions, Mobil Delvac Synthetic Transmission Fluid 50 provides significant advantages over conventional sulphur-phosphorus gear oils, including outstanding high-temperature performance, oxidation stability, wear protection, and corrosion control.

Recommended by ExxonMobil for use in:

- Heavy-duty manual transmissions where extended service intervals and warranties are required
- On-highway, commercial light and heavy duty trucking, buses, and vans
- Off-highway industries including construction, mining, and agriculture
- Use as a companion with Mobil Delvac Synthetic Gear Oils in rear axles for maximum component life, service efficiency, and fuel economy improvement
- NOT suitable for hypoid gear applications in differentials and final drives, either for topping-off or refills, where API service GL-5 or MIL-PRF-2105E lubricants are specified

Meets or exceeds the requirements of:

API MT-1

Has the following builder approvals:

Eaton PS 164 Rev 7, International TMS-6816, Mack TO-A PLUS, and ZF FreedomLine.

Mobilube S 80W-90

Mobilube S 80W-90 is an extra high performance drivetrain lubricant engineered to provide excellent lubrication for state-of-the-art, heavy duty manual transmission components used in on-highway commercial vehicles and cars. Potential benefits include excellent shifting performance, good low temperature fluidity, and high temperature viscosity retention. Mobilube S 80W-90 provides both API GL-4 and GL-5 level performance.

Recommended by ExxonMobil for use in:

- Cars, on highway light and heavy duty trucks, busses, and vans
- Heavy duty automotive type drivetrains where API GL-4/GL-5 level performance is required

Meets or exceeds the requirements of:

API GL-5 & MT-1, Scania STO 1:0 and ZF-TE-ML 07A/08.

Has the following builder approvals:

MACK GO-J, MAN M3343 Typ M & MAN 341 Typ E2, MB-Approval 235.0, and ZF-TE ML 02B/05A/12E/16B/17B/19B/21A.

Mobilube LS 85W-90

Mobilube LS 85W-90 is an extra high performance, automotive gear lubricant formulated from select base oils and an advanced additive system specifically for limited-slip differentials. This lubricant is designed for use in applications requiring API GL-5 performance such as heavy duty differentials, axles, and final drives where extreme pressures and shock loading are expected.

Recommended by ExxonMobil for use in:

- Limited-slip differentials, axles, and final drives requiring API GL-5 level performance
- Passenger cars, on highway light and heavy duty trucks, buses and vans
- Off highway industries including construction, quarrying, and agriculture
- Other industrial and automotive applications involving hypoid and other gears operating under conditions where high speed/shock load, high speed/low torque, and/or low speed/high torque conditions prevail
- Initial fill, top-up, and refill of enclosed automotive type gearing where SAE 85W-90 limited-slip gear lubricants are recommended
- Not intended for transmissions or transaxles for which engine oil or automatic transmission fluids are recommended

Meets or exceeds the requirements of:

API GL-5

Has the following builder approvals:

ZF TE-ML 05C/12C/16E/21C.

Mobilube XHP 75W-90

Mobilube XHP 75W-90 is an extra high performance manual transmission lubricant engineered for the latest 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-90 is formulated with extended performance reserve for applications requiring API GL-4 service.

Recommended by ExxonMobil for use in:

- Heavy duty manual transmissions and gear cases where API GL-3/4 level performance is required
- Passenger cars, on highway light and heavy duty trucks, busses, and vans
- Where extended service and warranties are required

Recommended by ExxonMobil for use in applications requiring:

API GL-4

Mobilube XFD 60

Mobilube XFD 60 is an extra high performance drivetrain lubricants engineered specifically to provide optimum component life when used as recommended in Caterpillar final drives and axles. Mobilube XFD 60 is formulated using advanced base oils and the latest additive technology to protect bearings and gears from premature failure due to fatigue. This lubricant delivers excellent performance in heavy-duty commercial axles and final drives where extreme pressures and shock loading are expected. It also provides exceptional chemical and thermal stability at elevated bulk oil temperatures generated under heavy loads and/or high ambient temperatures.

Recommended by ExxonMobil for use in:

- Heavy-duty axles and final drives used in trucks and bulldozers built by Caterpillar
- Off-highway industries including: construction, mining, and quarrying
- Applications where the maximum operating ambient temperature is below 50°C (122°F)
- Not recommended for engines, transmissions or hydraulic systems
- Not recommended for final drives and axles containing friction material and/or wet brakes

Meets or exceeds the requirements of:

Caterpillar FD-1

Mobilube GX-A 80W

Mobilube GX-A 80W is an automotive gear lubricant formulated from high performance base oils and an advanced additive system. This lubricant is engineered for commercial transmissions, axles, and final drives where protection against wear and scoring is required. It is recommended by ExxonMobil for use in Mercedes Benz applications where MB-Approval 235.1 is required and in applications where API GL-4 service is required.

Recommended by ExxonMobil for use in:

- Manual transmissions and drive axles requiring API GL-4 level performance
- Passenger cars, on highway light and heavy-duty trucks and commercial vehicles
- Off-highway industries including: construction, quarrying, and agriculture
- Other industrial, commercial, and automotive applications including hypoid gears operating under moderate to severe operating conditions

Meets or exceeds the requirements of:

ZF TE-ML 08

Has the following builder approvals:

MAN 341 Typ E1 & Typ Z2, MB-Approval 235.1, and ZF TE-ML 02B/17A.

Recommended by ExxonMobil for use in applications requiring:

API GL-4, MAN 341 Typ Z1, and ZF TE-ML 02A.

Mobilfluid 424

Mobilfluid 424 is an extra high performance multipurpose tractor lubricant engineered to meet or exceed transmission and hydraulic fluid requirements. The advanced technology in Mobilfluid 424 is designed to optimise the performance of agricultural and commercial tractors operating in a wide range of environments and conditions. Mobilfluid 424 combines select base oils and an advanced additive package to deliver the varied lubricant performance properties required in severe duty applications of agricultural and construction equipment drive trains. It is particularly well suited for reducing wet brake and Power Take-Off (PTO) chatter.

Recommended by ExxonMobil for use in

- Heavy-duty transmissions, differentials, final drives, hydraulic systems, power steering systems, wet brakes, PTOs and hydrostatic drives
- Off-highway industries including agriculture, construction & quarrying
- Top-up and refill of systems
- Applications requiring API GL-4 or SAE 80W grade lubricants in all gear applications except hypoid gear designs
- Outstanding replacement for engine oils recommended for hydraulic and transmission systems

Meets or exceeds the requirements of:

AGCO Powerfluid 821XL, Ford New Holland FNHA-2-C-201.00, John Deere J20C, Kubota UDT, and Vickers 35VQ25.

Has the following builder approvals:

Volvo WB-101, and ZF TE-ML 03E/05F/17E/21F.

Recommended by ExxonMobil for use in applications requiring:

Allison C-4 (agricultural applications only), API GL-4, Case New Holland CNH MAT 3505 & CNH MAT 3525, Caterpillar TO-2, Denison HF-0/HF-1/HF-2 (Pumps only), Ford New Holland ESN-M2C134-D, JI Case MS 1204/1205/1206/1207/1209, Massey Ferguson M-1135 & M-1141, and Volvo BM.

Mobilube HD Plus 80W-90, 85W-140

Mobilube HD Plus 80W-90 and 85W-140 are extra high performance commercial gear lubricants formulated from select base oils and an advanced additive system. These lubricants are engineered for performance in heavy-duty commercial transmissions, axles, and final drives where extreme pressures and shock loading are expected. They provide excellent chemical and thermal stability at elevated bulk oil temperatures, good performance at low temperatures, and have demonstrated good rust protection resulting from water contamination and wet conditions. They are recommended by ExxonMobil for applications where API GL-5 and MT-1 service is required.

Recommended by ExxonMobil for use in:

- Heavy-duty manual transmissions, axles, and final drives requiring API GL-5 and MT-1 level performance
- On-highway light and heavy-duty trucks, busses, vans, and cars
- Off-highway industries including: construction, mining, quarrying, and agriculture
- Other heavy-duty industrial and automotive applications involving hypoid and other gears operating under conditions where high speed/shock load, high speed/low torque, and/or low speed/high torque conditions prevail
- Initial fill, top-off, and refill of enclosed commercial gearing in manual or semiautomatic transmissions where gear lubricants are recommended including drive axles and final drives
- Not recommended for applications requiring API GL-4 Level performance
- Not intended for transmissions for which engine oil or automatic transmission fluids are recommended

Meet or exceed the requirements of:

API GL-5 & MT-1, SAE J2360, and SCANIA STO 1:0.

Have the following builder approval:

Mack GO-J

Mobiltrans HD Series

Mobiltrans HD 10W, 30 and 50 are extra high performance, heavy duty transmission and drive-train lubricants engineered to meet or exceed the requirements of the rigorous Caterpillar TO-4 specification. This product line is uniquely designed to optimise the performance of powershift transmissions, gearboxes, and final drives. In hydraulic applications, they provide maximum protection even in high pressure systems

Recommended by ExxonMobil for use in:

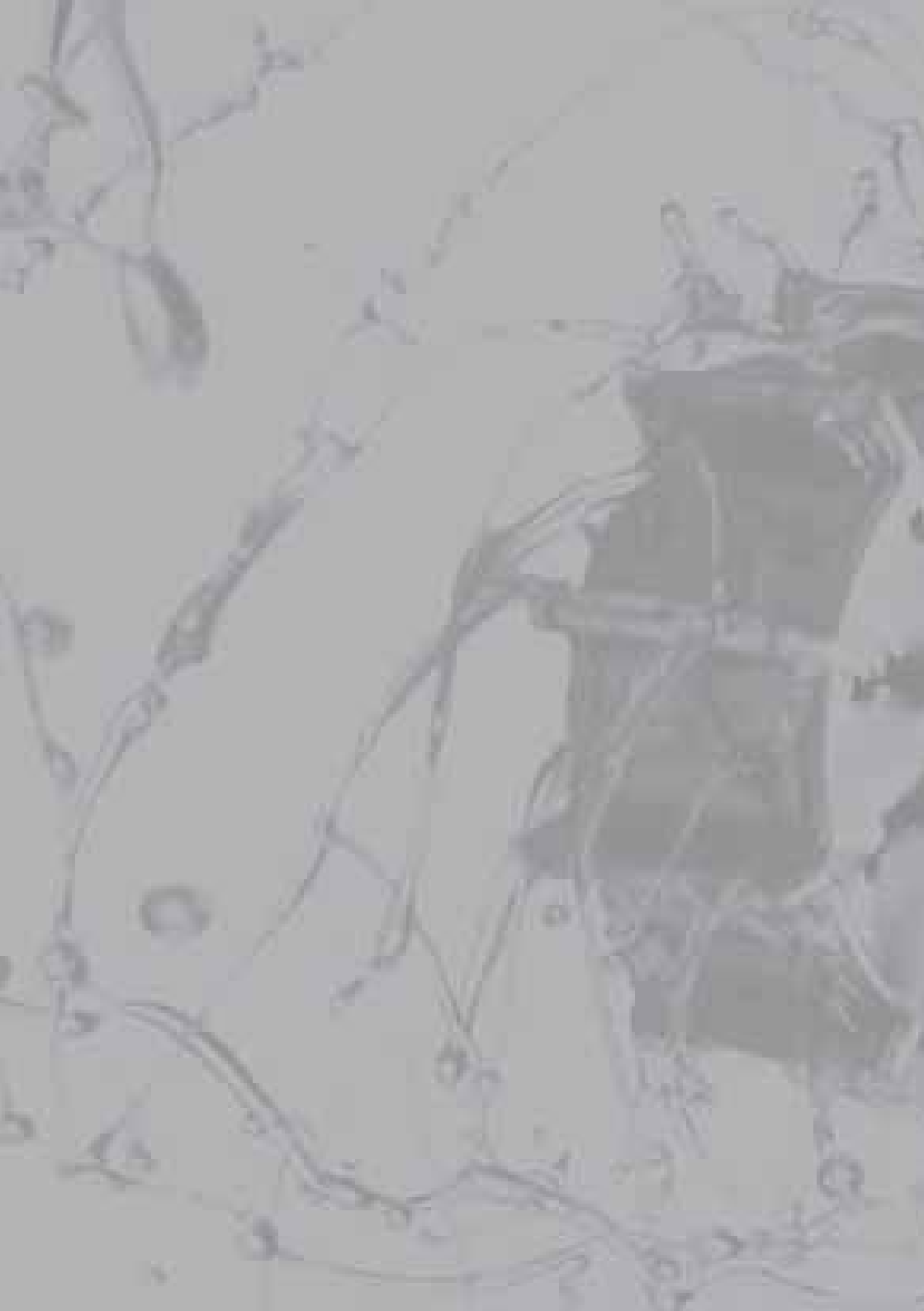
- Heavy duty transmissions, gear boxes, final drives, and hydraulic systems used in off-highway applications
- Off-highway industries including: mining, construction, quarrying, and agriculture
- Manual, powershift, and automatic transmissions where Allison C-4 fluids (SAE 10W and 30 grades) are called for including Twin Disc and transmissions calling for Type F fluids
- Most mobile equipment hydraulic applications

Mobiltrans HD Series meet or exceed the requirements of Caterpillar TO-4.

Mobiltrans HD 10W has the following builder approval: ZF TE-ML 03C.

Mobiltrans HD 30 has the following builder approvals: ZF TE-ML 03C/07F.

Mobiltrans HD 10W & Mobiltrans HD 30 are recommended by ExxonMobil for use in applications requiring Allison C-4.





HYDRAULIC OILS

Mobil Hydraulic 10W

Mobil Hydraulic 10W is a high performance hydraulic oil formulated from advanced base oils and a balanced additive system designed to satisfy a wide range of heavy-duty hydraulic equipment requirements. This product is specifically engineered using an effective balance of ashless dispersants and metallic detergents combined with inhibitors to control oxidation, wear, corrosion and rust. Mobil Hydraulic 10W is used in a wide range of on and off-highway hydraulic applications.

Recommended by ExxonMobil for use in:

- Hydraulic systems and components used in conjunction with equipment from leading American, European, and Japanese manufacturers
- Hydraulic systems where wide ambient temperatures are encountered
- Hydraulic systems containing gears and bearings where good anti-wear properties are required
- On and off-highway industries including: trucking, construction, mining, quarrying, and agriculture

**Recommended by ExxonMobil for use in applications requiring:
API CD/SF and Vickers 35VQ25.**

PETROL 2 STROKE OILS

Mobil Outboard Plus

Mobil Outboard Plus is a high performance, two-stroke engine oil that is designed for many high performance, water-cooled two-stroke engines used in outboard marine applications. Mobil Outboard Plus offers clean engine and environmental performance. Mobil Outboard Plus is pre-diluted to facilitate mixing when added to fuel.

Mobil Outboard Plus is recommended by ExxonMobil for use in modern high-performance, water-cooled, two-stroke engines, as well as, smaller or older outboard engines. ExxonMobil also recommend Mobil Outboard Plus for use in two-stroke engines manufactured by Johnson, Mercury, OMC, Evinrude, Mariner, Force, Mercruiser, Yamaha, Suzuki, Nissan and Tohatsu or where NMMA TC-W, TC-WII or TC-W3 oils are recommended.

ExxonMobil also recommend Mobil Outboard Plus for use in light to moderate duty, air-cooled two-stroke engines that are used in power mowers, chain saws, leaf blowers and lawn trimmers.

Meets or exceeds the requirements of:
API TC and NMMA TC-W3.

Mobil 2 Stroke Oil

Semi-synthetic 2 stroke oil is suitable for motor bike and other 2 stroke engines including lawnmowers and high revving chainsaws. Excellent heavy duty lubricant but not suitable in marine outboard engines.

- Exceptional engine endurance protection
- Ideal for direct injection and pre-mix engines

Meets or exceeds the requirements of:

API TC, JASO FD, ISO L-EGD, and SAE Grade 2.

SPECIALTY PRODUCTS

Mobil Hydraulic Brake Fluid

Mobil Hydraulic Brake Fluid Super DOT 4 is an extra high performance hydraulic brake fluid for use in automotive disc, drum and anti-skid brake systems and clutch systems.

Mobil Hydraulic Brake Fluid is based on polyethylene glycol ether technology to provide the highest level of brake and clutch performance in modern as well as older model automotive and commercial vehicles.

Mobil Hydraulic Brake Fluid is recommended by ExxonMobil for use in applications requiring disc, drum and anti-skid braking systems used in average to high performance vehicles requiring DOT 3 or DOT 4 level performance.

Meets or exceeds the requirements of:

FMVSS 116 DOT 3 & DOT 4, ISO 4925 Class 3 & Class 4, and SAE J1704.

Mobil Antifreeze Extra

Mobil Antifreeze Extra is an extra high performance concentrated antifreeze formula that needs to be diluted prior to being used.

Mobil Antifreeze Extra contains Glysantin® G48® from BASF and was developed to protect car, truck and bus engines of both ferrous and aluminium construction against corrosion and frost damage. It contains a blend of inhibitors designed to give a high degree of corrosion protection to engine components such as radiators, cylinder blocks/heads and water pumps over a 3 years period. Mobil Antifreeze Extra is free of nitrites, amines and phosphates.

Recommended by ExxonMobil for use in applications requiring Glysantin® G48® by BASF which is approved by:

Audi/Seat/Skoda/VW (vehicles built up until 1996) TL 774-C

BMW N 600 69.0

MAN 324 NF

Mercedes-Benz specification 325.0

MTU MTL 5048

Opel/Vauxhall (vehicles built up until 2000) B 040 0240

Porsche (vehicles built up until 1995)

Rolls-Royce (vehicles built as from 1998)

Saab 690 1599

Mobil Coolant Extra Ready Mixed

Mobil Coolant Extra Ready Mixed is an extra performance coolant designed to provide efficient protection down to -24°C during winter condition. It is a ready to use product that has been premixed with 36% Mobil Antifreeze Extra and 64% water.

Mobil Coolant Extra Ready Mixed contains Glysantin® G48® from BASF and was developed to protect car, truck and bus engines of both ferrous and aluminium construction against corrosion and frost damage. It contains a blend of inhibitors designed to give a high degree of corrosion protection to engine components such as radiators, cylinder blocks/heads and water pumps over a 3 years period. Mobil Antifreeze Extra is free of nitrites, amines and phosphates.

Recommended by ExxonMobil for use in applications requiring Glysantin® G48® by BASF which is approved by:

Audi/Seat/Skoda/VW (vehicles built up until 1996) TL 774-C

BMW N 600 69.0

MAN 324 NF

Mercedes-Benz specification 325.0

MTU MTL 5048

Opel/Vauxhall (vehicles built up until 2000) B 040 0240

Porsche (vehicles built up until 1995)

Rolls-Royce (vehicles built as from 1998)

Saab 690 1599



GREASES

Mobilith SHC 220

Mobilith SHC 220 is a supreme performance product designed for a wide variety of applications at extremes of temperature. It combines the unique features of synthetic base fluids with those of a high quality lithium complex thickener. The wax-free nature of synthetic fluids and the low coefficient of traction (compared with mineral oils) provide excellent low temperature pumpability and very low starting and running torque. It offers the potential for fuel savings and can reduce operating temperatures in the load zone of spherical roller and ball bearings. The lithium complex thickener contributes excellent adhesion, structural stability and resistance to water. Mobilith SHC 220 has a high level of chemical stability and is formulated with a special additive combination to provide excellent protection against wear, rust and corrosion, and providing operating viscosity at high and low temperatures.

Mobilith SHC 220 is a multi-purpose, NLGI 2 extreme pressure grease recommended for heavy-duty automotive and industrial applications. It uses an ISO VG 220 synthetic base fluid. Mobilith SHC 220 has a recommended operating temperature range of -40° C* to 150° C.

Key benefits include:

- Long service life reduces replacement costs, minimises downtime and increases productivity
- Reliable flow and lubrication for easy startup, even at low temperatures
- Improved lubrication for longer bearing life
- Optimum performance in hostile wet environments

While Mobilith SHC 220 is compatible with most mineral oil based products, admixture may detract from its performance. Consequently it is recommended that before changing a system to Mobilith SHC 220, it should be thoroughly cleaned out to achieve the maximum performance benefits.

Meets or exceeds the requirements of:

DIN 51825 (2004-06) KPHC 2N-30

Mobilgrease XHP 220 Series

Mobilgrease XHP 220 greases are extended service lithium complex greases intended for a wide variety of applications and severe operating conditions. Mobilgrease XHP greases were designed to outperform conventional products by applying cutting edge, proprietary, lithium complex manufacturing technology. They are formulated to provide excellent high temperature performance with superb adhesion, structural stability and resistance to water contamination. Mobilgrease XHP greases have a high level of chemical stability and offer excellent protection against rust and corrosion. Mobilgrease XHP greases feature high drop point and a maximum recommended operating temperature of 140° C (284°F). Mobilgrease XHP 220 greases are available in NLGI grades 1 and 2 and have an ISO VG 220 base oil viscosity.

Mobilgrease XHP 221 is recommended by ExxonMobil for industrial and marine applications, chassis components and farm equipment. It provides excellent low temperature performance

Mobilgrease XHP 222 is recommended by ExxonMobil for industrial and marine applications, chassis components and farm equipment. Its sticky formulation stays in applications longer.

Mobilgrease XHP 222 Special contains 0.75% molybdenum disulfide, is grey in color and is recommended by ExxonMobil for moderate duty service in industrial applications, chassis components and farm equipment. It also finds application in king pins, U-joints, fifth wheels and bucket pins

Mobilgrease XHP 221 meets or exceeds the requirements of:
DIN 51825 (2004-06) KP1N-20

Mobilgrease XHP 222 meets or exceeds the requirements of:
DIN 51825 (2004-06) KP2N-20

Mobilgrease CM-P

Mobilgrease CM Series products are a family of extra high performance extreme-pressure greases. Mobilgrease CM-P is an NLGI Grade 2 and is manufactured with a proprietary high-temperature, lithium complex thickener system. Mobilgrease CM-P exhibits excellent resistance to softening under severe working, and provides good adhesion and cohesion. An extreme-pressure additive package provides exceptional protection against wear, while additional additives enhance resistance to high-temperature oxidation and protection against rust. In addition, Mobilgrease CM-P contain 3% molybdenum disulphide for additional wear protection.

Other formulation features provide low-temperature dispensing, very good resistance to water wash, and long service in bearings operating at high temperatures. These heavy-duty, severe-service greases have outstanding structural and chemical stability. Mobilgrease CM Series products protect steel or copper-bearing alloys from corrosion and are compatible with conventional seal materials.

Mobilgrease CM-P is designed specifically to meet the needs of customers with heavily loaded equipment that require high EP/antiwear performance and remain in place even in tough conditions of water wash, high sliding and high temperature. This grease provides excellent performance in the severe duty construction and mining sectors.

Mobilgrease CM-P meets or exceeds the requirements of:

DIN 51825 (2004-06) KPF2N-20



JET ENGINE OILS

Mobil Jet Oil II

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. The effective operating range of Mobil Jet Oil II is between -40°C (-40 °F) and 204 °C (400°F).

Has the following approvals:

MIL (US) MIL-PRF-23699 and SAE AS5780 – Class: SPC.

Has the following builder approvals:

Engines -

CFM International

General Electric Company

Honeywell/Garrett-Turbine Engine Company

Honeywell/Lycoming-Turbine engines

IAE International

Pratt and Whitney (Canada)

Pratt and Whitney Group

Rolls-Royce Limited

Rolls-Royce/Allison Engine Company

SNECMA

Turbomeca

Accessories –

Hamilton Standard-Starters

Hamilton Sundstrand corp.- APUs, Constant-speed drives and integrated-drive generators

Honeywell-Auxiliary power units and air cycle machines

Mobil Jet Oil 254

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. This product is formulated from a specially prepared, hindered-ester base stock and fortified with a unique chemical additive package. The result is a product having superior thermal and oxidation stability that resists deterioration and deposit formation while maintaining the physical characteristics required by builder and military specifications. The physical properties of Mobil Jet Oil 254 are similar to those of currently available, earlier-generation gas turbine lubricants. The effective operating range of the lubricant is between -40°C (-40 °F) and 232°C (450°F).

Has the following approvals:

MIL (US) MIL-PRF-23699 HTS and SAE AS5780 – Class: HPC.

Has the following builder approvals:

Engines –

CFM International,

General Electric Company,

Honeywell/Garrett Turbine Engine Company

Honeywell/Lycoming-Turbines,

International Aero Engines,

Pratt and Whitney (Canada),

Pratt and Whitney Group,

Rolls-Royce Limited,

Rolls-Royce/Allison Engine Company,

SNECMA,

Accessories –

Hamilton Standard-Starters,

Hamilton Sundstrand Corp.-APUs, constant-speed drives and integrated-drive generators

Honeywell-Auxiliary power units and air cycle machines,



PISTON ENGINE OILS

Aviation Oil Elite 20W-50

Aviation Oil Elite 20W-50 is a premium quality, semi-synthetic, ashless-dispersant aviation piston engine oil. It is formulated from select, highly refined mineral base oils, a polyalphaolefin synthetic base oil, and ashless performance additives providing outstanding engine cleanliness, wear protection, and corrosion protection. Aviation Oil Elite 20W-50 is designed to satisfy the requirements of all opposed piston engine manufacturer's requirements under a wide range of climatic conditions.

Aviation Oil Elite is compatible with non-dispersant mineral oils as well as other ashless-dispersant oils that meet the requirements of MIL-L-22851D/SAE J1899. It can also be used in high-time engines that have previously used a straight mineral oil. In this case it is advisable to carry out the oil-screen inspection recommended by the engine manufacturer.

Meet or exceed the requirements of:

SAE J1899

Has the following approvals:

US NAVY SAE J1899 (which replaced MIL-L22851D) and FAA Alternate Method of Compliance with AD 80-04-03-R2 b1.

Has the following builder approvals:

Teledyne Continental Motors (MHS 24) and Textron Lycoming Spec No 301F.



AUXILIARY PRODUCTS

Mobil Aero HF

Mobil Aero HF is formulated for aircraft systems where use of hydrocarbon-based hydraulic fluids is required. Mobil Aero HF is a low viscosity, high VI (viscosity index) fluid with excellent low temperature properties, good anti-wear performance, and good chemical stability. Mobil Aero HF is composed of mineral base oil stock and contains shear-stable VI improvers.

Mobil Aero HF is a premium quality fluid that is approved against the most current version of U.S. Military specification MIL-PRF-5606. It is intended primarily for military aircraft, but it is also used as a hydraulic fluid for small private and commercial aircraft, and as a strut fluid in landing gear of large commercial aircraft. It is a NATO Code Number H-515 fluid.

Has the following approval:

MIL (US) MIL-PRF-5606H

Mobil AGL - Synthetic Aviation Gear Lubricant

Mobil AGL is a supreme performance gear and bearing oil designed to provide outstanding service in terms of equipment protection, oil life and problem-free operation helping to enable increased customer productivity in civilian and military helicopter transmissions. This scientifically engineered oil is formulated from base fluids with an inherently high viscosity index and a unique proprietary, additive system which enables it to provide outstanding performance in extreme service applications at high and low temperatures, well beyond the capabilities of mineral oils. This product is resistant to mechanical shear, even in heavily loaded gear and high shear bearing applications.

Mobil AGL has a low traction coefficient, which derives from the molecular structure of the base stock used. This results in low fluid friction in the load zone of non-conforming surfaces such as gears and rolling contact bearings. Low fluid friction produces lower operating temperatures and improved gear efficiency, which translates into reduced power and allows for more economical equipment design.

Mobil AGL is recommended by many helicopter OEM's for use in transmissions. Please consult with your equipment OEM or your ExxonMobil representative to determine if Mobil AGL can be used in your application.



GREASES

Mobil Aviation Grease SHC 100

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. The unique physical properties of the synthetic base oil, combined with selected additives, provide outstanding protection against wear, rust, corrosion, and high temperature degradation. The wax-free feature of the synthetic base oil allows for low-temperature mobility/pumpability and low starting and running torque values. Mobil Aviation Grease SHC 100 is the product of choice for aircraft wheel bearing applications.

Mobil Aviation Grease SHC 100 is recommended for aviation applications which need a lubricant that can perform normal functions, yet go far beyond in terms of high and low temperatures and long-life performance. It is a NLGI Grade 2/ISO VG 100 grease having the cold-temperature pumping resistance of most mineral-oil NLGI Grade 0 greases. It provides outstanding protection at operating temperatures from -54 °C (-65 °F) to 177 °C (350 °F).

Approved as a wheel bearing grease by ABSC (Meggitt), Dunlop (Meggitt), Goodrich, Honeywell (formerly AlliedSignal), Messier-Bugatti, Parker-Cleveland

Mobilgrease 33

Mobilgrease 33 is a high-performance lithium-complex grease designed for general-purpose aircraft use. Its consistency is between the NLGI grades 1 and 2. Mobilgrease 33 utilizes a 100% polyalphaolefin base oil and premium additives which ensure outstanding lubrication performance over a wide temperature range and operating conditions.

The lithium complex thickener system provides excellent structural stability and resistance to water wash-out. Polyalphaolefin base oil is used in Mobilgrease 33 because of its exceptional thermal/oxidative resistance potential, low volatility, and superb low-temperature capability, without the potential vulnerability of an ester base oil to degradation from reaction with water. The synthetic polyalphaolefin base oil offers excellent low-temperature mobility/pumpability and very low starting and running torque values. In addition, the state-of-the art additive system in Mobilgrease 33 provides superior rust and wear protection and load-carrying capacity compared to aviation greases that meet the minimum requirements of the MIL-PRF-23827 specification.

Meets or exceeds the requirements of:

SAE AMS3052

Has the following approvals:

MILITARY MIL-PRF-23827C (Amendment 2, Type I) and NATO G-354

Has the following builder approvals:

Airbus AIMS 09-06-002 and Boeing BMS 3-33B, Type 1

Mobilgrease 28

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. Its consistency is between an NLGI No. 1 and No. 2 grease. It offers outstanding performance over a wide temperature range. The wax-free nature of the synthetic base fluid, together with its high viscosity index compared to mineral oils, provide excellent low temperature pumpability, very low starting and running torque, and can help reduce operating temperatures in the load zone of rolling element bearings.

The clay thickener gives Mobilgrease 28 a high dropping point value of around 300°C, which provides excellent stability at high temperatures. Mobilgrease 28 resists water washing, provides superior load-carrying ability, reduces frictional drag, and prevents excessive wear. Tests show that Mobilgrease 28 effectively lubricates rolling element bearings under conditions of high speeds and temperatures. Mobilgrease 28 has also shown excellent ability to lubricate heavily loaded sliding mechanisms, such as wing flap screw jacks.

Has the following approvals:

MIL (US) MIL-PRF-81322G and NATO G-395

Recommended by ExxonMobil for use in applications requiring:

DOD-G-24508 A, Amendment 4



APPENDIX

Typical Properties - Automotive Lubricants

Petrol Engine Oils	Viscosity Grade SAE	Viscosity cST @ 40°C	Viscosity cST @ 100°C	Viscosity Index	Pour Point °C
Mobil 1 0W-40	0W-40	75	13.5	185	-48
Mobil 1 ESP Formula 5W-30	5W-30	73	12.1	163	-45
Mobil 1 5W-30	5W-30	62	11.0	171	-42
Mobil 1 5W-50	5W-50	108	17.5	179	-42
Mobil 1 15W-50	15W-50	137	19.3	161	-42
Mobil Super 3000 X2 5W-40	5W-40	85	14.2	173	-42
Mobil Super 3000 XE 5W-30	5W-30	68	11.9	173	-36
Mobil Super 3000 X1 Formula FE 5W-30	5W-30	53	9.8	173	-39
Mobil Super 3000 Formula V 5W-30	5W-30	73	12.1	163	-45
Mobil Super 3000 Formula D1 5W-30	5W-30	63	10.9	166	-39
Mobil Super 3000 Formula G 5W-40	5W-40	78	13.3	174	-39
Mobil SHC Formula MB 5W-30	5W-30	72	12.2	168	-42
Mobil Super 2000 X2 10W-40	10W-40	96	14.4	155	-33
Mobil Super 2000 5W-30	5W-30	64	10.6	156	-36
Mobil Super 1000 X2 15W-40	15W-40	107	14.3	136	-33
Mobil Super 1000 20W-50	20W-50	162	18.2	125	-30
Mobil Super 1000 Diesel 15W-40	15W-40	117	15.5	139	-33
Mobil Formula X2 5W-40	5W-40	85	14.2	173	-42
Mobil Formula S2 10W-40	10W-40	96	14.4	155	-33
Mobil Formula S 5W-30	5W-30	64	10.6	156	-36

Typical Properties - Automotive Lubricants

Motorcycle Oil	Viscosity Grade SAE	Viscosity cST @ 40°C	Viscosity cST @ 100°C	Viscosity Index	Pour Point °C
Mobil 1 Racing 4T 10W-40	10W-40	85	12.9	151	-45
Mobil 1 V-Twin 20W-50	20W-50	172	20.8	142	-42
Mobil Extra 4T 10W-40	10W-40	99	14.7	154	-33
Mobil Super 4T 20W-50	20W-50	183	20.5	131	-27
Mobil 1 Racing 2T	-	83	12.7	152	-42
Mobil Extra 2T	-	48	7.9	134	-12

Diesel Engine Oil	Viscosity Grade SAE	Viscosity cST @ 40°C	Viscosity cST @ 100°C	Viscosity Index	Pour Point °C	TBN
Mobil Delvac 1 ESP 5W-40	5W-40	98	14.7	156	-48	10
Mobil Delvac XHP LE 10W-40	10W-40	85	13.0	153	-39	12
Mobil Delvac MX ESP 15W-40	15W-40	114	15.0	137	-30	10
Mobil Delvac MX 15W-40	15W-40	117	15.5	140	-30	12
Mobil Delvac 1630	30	90	11.5	117	-30	12
Mobil Delvac 1640	40	132	14.7	112	-21	12
Mobil Delvac 1330	30	106	11.8	99	-21	10
Mobil Delvac 1340	40	146	14.6	99	-21	10
Mobil Delvac 1240	40	158	15.5	99	-21	7
Mobil Agri Super 15W-40	15W-40	96	14.2	140	-30	11

Automotive Transmission Fluids	Viscosity Grade SAE	Viscosity cST @ 40°C	Viscosity cST @ 100°C	Viscosity Index	Pour Point °C
Mobil 1 Synthetic ATF	-	36	7.4	178	-51
Mobil Delvac Synthetic ATF	-	38	7.4	168	-54
Mobil Multipurpose ATF	-	32	7.0	189	-51
Mobil ATF 220	-	37	7.0	153	-45
Mobil ATF 3309	-	35	7.2	180	<-40
MOBIL ATF 95LE	-	37	7.5	176	-42

Typical Properties - Automotive Lubricants

Automotive Gear oils	Viscosity Grade SAE	Viscosity cST @ 40°C	Viscosity cST @ 100°C	Viscosity Index	Pour Point °C
Mobil 1 Syn Gear Lube LS 75W-90	75W-90	99	13.9	142	-39
Mobilube 1 SHC 75W-90	75W-90	102	15.1	156	-54
Mobil Delvac Synthetic Gear Oil 75W-90	75W-90	120	15.9	140	-48
Mobil Delvac Synthetic Gear Oil 80W-140	80W-140	310	31.2	139	-36
Mobil Delvac Synthetic Transmission Fluid 50	50	132	17.5	146	-45
Mobilube S 80W-90	80W-90	144	15.0	105	-30
Mobilube LS 85W-90	85W-90	153	15.3	100	-36
Mobilube XHP 75W-90	75W-90	95	14.1	152	-42
Mobilube XFD 60	60	334	25.2	97	-15
Mobilube GX-A 80W	80W	76	10.0	104	-30
Mobilfluid 424		55	9.3	145	-42
Mobilube HD Plus 80W-90	80W-90	150	15.3	104	-24
Mobilube HD Plus 85W-140	85W-140	360	26.5	98	-18
Mobiltrans HD 10W	10W	42	6.3	96	-33
Mobiltrans HD 30	30	100	11.2	97	-18
Mobiltrans HD 50	50	195	18.0	100	-15

Hydraulic Oils	Viscosity Grade SAE	Viscosity cST @ 40°C	Viscosity cST @ 100°C	Viscosity Index	Pour Point °C
Mobil Hydraulic 10W	10W	38	6.1	107	-30

Petrol 2 Stroke Engine Oil	Viscosity Grade SAE	Viscosity cST @ 40°C	Viscosity cST @ 100°C	Viscosity Index	Pour Point °C
Mobil Outboard Plus	–	52	8.3	133	-36
Mobil 2 Stroke	–	48	7.9	134	-12

Typical Properties - Aviation Lubricants

Jet Engine Oils	Viscosity Grade SAE	Viscosity cST @ 40°C	Viscosity cST @ 100°C	Viscosity Index	Pour Point °C
Mobil Jet Oil II	–	25.2	5.0	127	-59
Mobil Jet Oil 254	–	27.3	5.3	128	-54

Piston Engine Oils	Viscosity Grade SAE	Viscosity cST @ 40°C	Viscosity cST @ 100°C	Viscosity Index	Pour Point °C
Aviation Oil Elite 20W-50	20W-50	180.0	20.2	131	-33

Auxiliary Products	Viscosity Grade SAE	Viscosity cST @ 40°C	Viscosity cST @ 100°C	Viscosity Index	Pour Point °C
Mobil Aero HF	–	14.0	5.2	374	-64
Mobil AGL- Synthetic Aviation Gear Lubricant	–	66.0	10.3	143	-54

Typical Properties - Greases

Automotive	Thickener Type	NLGI Number	Base Oil Viscosity	Drop Point °C	Colour
Mobilith SHC 220	Li-Complex	2	220	265	Red
Mobilgrease XHP 221	Li-Complex	1	220	280	Dark Blue
Mobilgrease XHP 222	Li-Complex	2	220	280	Dark Blue
Mobilgrease XHP 222 Special	Li-Complex	2	220	280	Grey Black
Mobilgrease CM-P	Li-Complex	2	320	260	Grey

Aviation	Thickener Type	NLGI Number	Base Oil Viscosity	Drop Point °C	Colour
Mobil Aviation Grease SHC 100	Li-Complex	2	100	280	Red
Mobilgrease 33	Li-Complex	1.5	12.5	246	Blue Green
Mobilgrease 28	Clay (non-soap)	1.5	30	308	Red

ExxonMobil

Lubricants & Specialties

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