

Mobil Delvac 1®

Description

Mobil Delvac 1 Synthetic high performance diesel engine oil contains high-quality synthetic base stocks and a unique component additive system. It provides outstanding high-temperature detergency and all-temperature dispersancy, with optimized resistance to thermal degradation and oxidation, wear, and corrosion.

Mobil Delvac 1 carries an SAE 5W-40 viscosity rating. It has all the advantages of an SAE 40 weight oil without the higher oil consumption inherent in multigrade oils that use very light-mineral oil base stocks. Because synthetics have higher boiling points than conventional oils, Mobil Delvac 1 does not evaporate as readily in the high-temperature piston ring area of turbo-charged diesel engines.

Mobil Delvac 1 has the same viscosity as most SAE 40 oils at the high end of the temperature viscosity scale. However, because of its higher viscosity index and unique molecular structure, it provides a better protective film at higher temperatures than conventional oils. Mobil Delvac 1 remains fluid at sub-zero temperatures as low as -54°C (-65°F) and provides rapid cold-engine start-ups and warm-ups.

Mobil Delvac 1 can provide satisfactory lubrication at temperatures up to 100 degrees above the upper limit for conventional mineral oils. It is fully compatible with conventional heavy duty diesel and gasoline fleet engines. It also provides unsurpassed protection against soot related viscosity increases in low emission diesel engines.

Mobil Delvac 1 has long drain capability and can be extended in service far beyond the builder recommended drain interval in both diesel and gasoline engines. Consult your representative for specific recommendations.

Mobil Delvac 1 will provide outstanding wear protection and deposit control in the most demanding diesel engines of Cummins, Caterpillar, Mack, Navistar, Detroit Diesel, and others. It is balanced to provide optimum engine life until overhaul, in both high-loaded, thermally stressed diesel engines and units operating at lower speeds in pickup-and-delivery service.

Mobil Delvac 1 exceeds the requirements of:

- API Service CH-4, CG-4, CF-4, CF, SJ, SH
- ACEA E5-99/E4-99/E3-96/B4-98
- Mack EO-M Plus, EO-M, EO-L Plus
- Cummins CES 20077, 20076, 20072, 20071
- Detroit Diesel 7SE270
- Mercedes Benz Sheet 228.5
- Volvo VDS-2 (VDS-3 in progress)
- Detroit Diesel Closed Crankcase Application TSB 01-TS-07
- Caterpillar deposit performance
- 2.0% distillation at 700°F

Applications

Mobil Delvac 1 is recommended for diesel- and gasoline-powered fleet vehicles, such as over-the-road, off-the-road, truck rental, pickup-and-delivery, utility, and school bus fleets. Mobil Delvac 1 is capable of providing fuel economy and a reduction in oil make-up in over-the-road service.

When Mobil Delvac 1 is used in an engine for the first time, no system preparation is necessary other than proper draining and installation of a new filter. In an emergency, conventional oil can be used as make-up for Mobil Delvac 1, but such mixing may lower the performance of Mobil Delvac 1. Do not dilute crankcase oil with gasoline or kerosene in cold weather. The diluent will not improve cold cranking and may have an adverse effect on the performance of Mobil Delvac 1.

In addition, Mobil Delvac 1 is recommended for extended drain performance in truck trailer-mounted refrigeration units.

Advantages

- Excellent performance in both diesel and gasoline engines
- Enhanced TBN wear/cleanliness protection
- Quality reserve for longer diesel engine life
- Helps to extend engine life until overhaul in 1998-certified and pre-1998 diesel engines
- Excellent soot control in 1998- certified diesel engines
- Protection against bore polishing and engine scuffing
- Oil consumption control
- Capable of extended high-temperature and stop-and-go diesel and gasoline performance
- Wide-temperature-range protection
- Long drain capability
- Documented fuel economy benefits



Typical Properties

| Mobil Delvac 1 | |
|---------------------------------|-----------|
| Product Number | 44111-3 |
| SAE Grade | 5W-40 |
| Gravity, API | 32.3 |
| Pour Point, °C (°F) | -54 (-65) |
| Flash Point (COC), °C (°F) | 240 (464) |
| Viscosity | |
| cSt at 40°C | 95 |
| cSt at 100°C | 15.0 |
| SUS at 100°F | 431 |
| SUS at 210°F | 78 |
| Cranking Viscosity, cP at -25°C | 3,200 |
| Pumping Viscosity, cP at -35°C | 20,000 |
| Sulfated Ash, wt % | 1.3 |
| TBN | 11 |
| Color, ASTM | 5 |

Precautions

Mobil Delvac 1 is manufactured from high quality petroleum base stocks , carefully blended with selected additives. As with all petroleum products, good personal hygiene and careful handling should always be practiced. Avoid prolonged contact to skin, splashing into the eyes, ingestion or vapour inhalation. Special care is also recommended in handling used motor oils. A Service Data Sheet entitled "Safe Handling of Used Motor Oils" is available on request from you Imperial Oil Representative. Please refer to our Imperial Oil Material Safety Data Sheet for further information.

Note: This product is not controlled under Canadian WHMIS legislation.

Due to continual product research and development, the information contained herein is subject to changes without notification. Additional important health and safety information on this product can be found in the Material Safety Data Sheet, which is available online at www.imperialoil.ca/mobil or by contacting Lubricants and Petroleum Specialities, Technical Services, Technical Help Desk: 1-800-268-3183

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