

Mobil Delvac Synthetic Transmission Fluid 50

Supreme Performance Transmission Lubricant

Product Description

Mobil Delvac Synthetic Transmission Fluid 50 is a 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.

It has the same viscosity as most SAE 50 engine oils and SAE 90 gear lubricants at the high end of the temperature-viscosity scale, and because of its inherently high viscosity index, it provides stronger film strength at higher temperatures than conventional oils. Mobil Delvac Synthetic Transmission Fluid 50 also ensures effective lubrication at below freezing temperatures without channelling.

The outstanding performance of this product is confirmed by its approval for heavy-duty transmissions covered by Eaton Roadranger and ArvinMeritor Extended Warranties of 750,000 miles, with oil drains of 500,000 miles. It is also approved by Mack against its TO-A Plus 500,000 mile extended service classification. Mobil Delvac Synthetic Transmission Fluid 50 meets the API service MT-1 EP gear oil service classification and is suitable for transmissions and gear cases where API Service GL-1 through GL-4 gear protection is required.

Features and Benefits

The performance capabilities of today's heavy-duty on- and off-highway equipment have vastly improved in terms of load, speed, control, and reliability through innovative powertrain designs. These designs have markedly increased the demands on transmission lubricants, requiring them to deliver higher levels of performance while extending drains. For heavy-duty transmissions, friction control, wear protection, thermal stability, shear stability, rust and corrosion protection, and seal protection are features that must be balanced to provide extended gear and synchroniser life, smooth shift control, improved efficiency, and higher load capability over a wide range of applications and operating environments. Mobil Delvac Synthetic Transmission Fluid 50 delivers unsurpassed performance in today's manual transmissions. The key benefits include:

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 Specialties, Technical Services, Technical Help Desk: 1-800-268-3183

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| Features | Expected Advantages and Benefits |
|--|---|
| Excellent load carrying, anti-wear, and EP performance | Extends transmission life and reduces cost of operation |
| Outstanding protection against deposit formation | Longer seal life, extended drain, and service intervals |
| Maximum protection from corrosion of copper and its alloys | Protects and extends the life of synchronisers |
| Optimized thermal and oxidation protection | Extends component life and improves efficiency |
| Exceptional shear stability | Excellent wear during severe operation |
| Outstanding low-temperature fluidity | Reduces wear during cold temperatures and improves shifting with quicker starts |
| Extended drain and service interval capability | Provides lower operating costs and higher productivity |

Applications

- 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

Specifications and Approvals

Mobil Delvac Synthetic Transmission Fluid 50 meets the following industry and builder specifications:

| | |
|---------------|---|
| API GL-4/MT-1 | X |
|---------------|---|

Mobil Delvac Synthetic Transmission Fluid 50 has the following builder approvals:

| | |
|---|---|
| Eaton Roadranger E500 (TM) PS-164 Rev 7 | X |
| Mack TO-A Plus | X |
| International TMS-6816 | X |

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Typical Properties

| Mobil Delvac Synthetic Transmission Fluid 50 | |
|--|------|
| SAE Grade | 50 |
| Viscosity, ASTM D 445 | |
| cSt @ 40°C | 132 |
| cSt @ 100°C | 17.5 |
| Viscosity Index, ASTM D 2270 | 146 |
| Pour Point, °C, ASTM D 97 | -45 |
| Flash Point, °C, ASTM D 92 | 221 |
| Density @ 15°C kg/l, ASTM D 4052 | 0.86 |

Precautions

Mobil Delvac Synthetic Transmission Fluid 50 is manufactured from high quality synthetic base oil, 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.

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