



Mobil Delvac Modern™ Off-Highway Trans Fluid Series

Mobil Commercial Vehicle Lube , Central America

Mobil Commercial Vehicle Lubes

Product Description

Mobil Delvac Modern™ Off-Highway Trans Fluid Series has replaced the Mobiltrans HD™ Series. there are no formulation changes thereby ensuring no impact on product compatibility or handling. Furthermore, there are no comingle restrictions on mixing products with old and new names. Technical claims and product performance remains unchanged.

Mobil Delvac Modern™ Off-Highway Trans Fluid Series 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 optimize the performance of powershift transmissions, gearboxes, and final drives. In hydraulic applications, they provide maximum protection even in high pressure systems.

This technology combines selected base oils and an advanced additive system to deliver the precise performance parameters needed to maximize the productivity of construction, quarrying, and mining equipment operating in severe conditions. These products offer a clear performance advantage over the use of mixed fleet engine oils and previously used lubricants meeting Caterpillar TO-2.

Features and Benefits

| Features | Advantages and Potential Benefits |
|--|---|
| Balanced static and dynamic friction coefficients | Optimized clutch-friction retention and slippage control Significantly improved clutch life compared to the best API CD/TO-2 engine oils |
| Compatible with modern clutch materials and elastomers | Longer clutch life and higher performance |
| Increased levels of anti-wear and load carrying capability | Reduced gear wear and extended life in transmissions, gearboxes, and final drives Greater productivity from reduced downtime |
| Excellent foam control protection | Top performance in wet brakes; excellent control of brake chatter |
| Excellent thermal and oxidation stability | Outstanding hydraulic oil stability and protection against high-pressure pump wear |
| Lower viscosities offer very good low temperature pump ability | Reduced time from start-up to production |

Applications

Mobil Delvac Modern™ Off-Highway Trans Fluid Series are recommended 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

Specifications and Approvals

| | | | | |
|--|-----|----|----|----|
| According to ExxonMobil, this product is of the following quality level: | 10W | 30 | 50 | 60 |
|--|-----|----|----|----|

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|--|-----|----|----|----|
| Allison C-4 | X | X | | |
| KOMATSU KES 07.868.1 | X | X | X | |

| This product has the following approvals: | 10W | 30 | 50 | 60 |
|---|-----|----|----|----|
| ZF TE-ML 03C | X | X | | |
| ZF TE-ML 07F | | X | | |

| This product meets or exceeds the requirements of: | 10W | 30 | 50 | 60 |
|--|-----|----|----|----|
| Caterpillar TO-4 | X | X | X | X |

Properties and Specifications

| Property | 10W | 30 | 50 | 60 |
|--|--------|--------|--------|--------|
| Grade | N/A | N/A | N/A | N/A |
| Density @ 15 C, g/ml, ASTM D4052 | 0.8809 | 0.8877 | 0.8949 | 0.895 |
| Flash Point, Cleveland Open Cup, °C, ASTM D92 | 225 | 251 | 265 | 271 |
| Kinematic Viscosity @ 100 C, mm ² /s, ASTM D445 | 6.28 | 11.19 | 18.22 | 22.47 |
| Kinematic Viscosity @ 40 C, mm ² /s, ASTM D445 | 40.09 | 98.27 | 205.67 | 280.04 |
| Pour Point, °C, ASTM D97 | -39 | -18 | -21 | -21 |

Health and Safety

Health and Safety recommendations for this product can be found on the Material Safety Data Sheet (MSDS) @ <http://www.msds.exxonmobil.com/psims/psims.aspx>

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Typical Properties are typical of those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice. All products may not be available locally. For more information, contact your local ExxonMobil contact or visit www.exxonmobil.com

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