Mobil Delvac Modern™ Off-Highway Trans Fluid Series

Mobil Commercial Vehicle Lube , United States

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, mm2/s, ASTM D445	6.28	11.19	18.22	22.47
Kinematic Viscosity @ 40 C, mm2/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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