



Mobiltrans HD Series

Mobil Commercial Vehicle Lube , Saudi Arabia

High Performance Transmission and Drivetrain Lubricants

Product Description

Mobiltrans HD 30 and 50 are extra high performance, heavy duty transmission and drive-train lubricants engineered to meet or exceed the requirements of the rig 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

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

Features and Benefits

Mobiltrans HD series offer the following benefits

Features	Advantages and Potential Benefits
Balanced static and dynamic friction coefficients	"Optimised clutch-friction retention and slippage control Significantly improved clutch life compared to the API CD/TO-2 engine
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 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 pumpability	Reduced time from start-up to production

Applications

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 30 grade) are called for including Twin Disc and transmissions calling for Type F fluids
- * Most mobile equipment hydraulic applications

Specifications and Approvals

This product has the following approvals:	30	50
ZF TE-ML 03C	X	

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ZF TE-ML 07F	X	

This product is recommended for use in applications requiring:	30	50
Allison C-4	X	
KOMATSU KES 07.868.1	X	X

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

Properties and Specifications

Property	30	50
Grade	SAE 30	SAE 50
Flash Point, Cleveland Open Cup, °C, ASTM D92	251	265
Kinematic Viscosity @ 100 C, mm2/s, ASTM D445	11.19	18.22
Kinematic Viscosity @ 40 C, mm2/s, ASTM D445	98.27	205.67
Pour Point, °C, ASTM D97	-27	-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.as>
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