

Mobiltrans HD Series

Premium Transmission and Drive Train Lubricants

The Mobil logo consists of the word "Mobil" in a blue, sans-serif font. A red arc is positioned above the letters "i" and "l", starting from the top of the page and curving down towards the right.

Product Description

Mobiltrans HD Series are premium quality, latest technology products primarily intended for use in transmissions, drive trains and hydraulic systems of off-highway contractor equipment. They meet the demanding requirements of the Caterpillar TO-4 specification, which cannot be satisfied by commercial engine oil technology. They are formulated from highly refined mineral oils and an advanced additive system which provide outstanding oxidation resistance, compatibility with elastomers, excellent protection against rust and corrosion, and an extremely low foaming tendency. They have outstanding load-carrying capability and gear wear protection as measured by the FZG Gear Test and they provide excellent antiwear performance in powershift transmissions, gearboxes and final drives. In hydraulic applications, they provide maximum protection even in the highest pressure systems.

Specifications

Recommended for the use in applications requiring CAT TO-4, Allison C-4 for SAE10W and SAE 30 and CAT TO-4 for SAE 50 only.

Benefits/Advantages

- Optimized clutch-friction retention and slippage control.
- Significantly improved clutch life compared with the best CD/TO-2 engine oils.
- Greatly reduced gear wear in transmissions, gear boxes, and drive trains.
- Excellent performance in wet brakes and elimination of brake chatter.
- Outstanding hydraulic oil stability and protection against high pressure pump wear.
- Lower maintenance and operating costs.

Application

Mobiltrans HD Series are recommended for the lubrication of the most demanding transmissions, drives trains, clutches and hydraulic systems in Caterpillar, Case, Komatsu and other off-highway contractor, logging, mining and farming equipment. They can also be used in manual, powershift and automatic transmissions in on- and off- highway applications requiring Allison C-4 performance levels. They are suitable for most automotive hydraulic applications. They are recommended for most spur, helical, bevel and worm gearboxes, even under severe duty applications. Since the products do not contain friction modifiers, they can be used in Twin Disc clutches and Type F transmission oil applications within the ambient temperature ranges appropriate to their SAE viscosity grade.



Typical Properties

Mobiltrans HD	10W	30	50
SAE Grade	10W	30	50
Viscosity			
cSt at 40°C	42	100	195
cSt at 100°C	6.9	11.6	18.3
CCS Viscosity			
cP at -25°C	6840	—	—
Viscosity Index	95	95	95
Sulphated Ash, wt%	1.2	1.2	1.2
Flash Point, °C	204	224	240
Pour Point, °C	-33	-18	-15

Health and Safety

Based on available toxicological information, these products produce no adverse effects on health when properly handled and used. No special precautions are suggested beyond attention to good personal hygiene, including laundering oil-soaked clothing and washing skin contact areas with soap and water. Additional health and safety information on these products, including Material Safety Data Bulletins, is available on request from your local ExxonMobil company.

ExxonMobil Middle East Marketing Corporation
P. O. Box 33369, Dubai, U.A.E.

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