

ZEAL ZETRANS HD SERIES

Heavy Duty Transmission and Drivetrain Oils



PRODUCT DATA SHEET

PRODUCT DESCRIPTION

ZEAL ZETRANS HD SERIES are range of extra high performance transmission and drive train oils, formulated with high quality base stocks and advanced additive system to meet or exceed the requirements of Caterpillar TO-4 specification. Suitable to provide heavy duty performance benefits in powershift transmissions, gearboxes, final drives and high pressure hydraulic applications. It helps in maximizing the productivity in construction, quarrying and mining equipment operating under severe conditions.

FEATURES & BENEFITS

- Balanced static and dynamic friction coefficients, helps in optimizing clutch friction retention and control of slippage. Thus ensuring increased load carrying capacity & improvement in clutch life.
- Good compatibility with various clutch materials and elastomers.
- Excellent foam control property enhances performance of wet brakes by controlling brake chattering.
- Outstanding oxidation & thermal stability reduces high pressure hydraulic pump wear and minimizes sludge build keeping the application clean.
- Outstanding anti-wear protection & load carrying capabilities, helps in reducing wear and extends the life of gearboxes, final drives and transmissions.

SPECIFICATIONS

ZEAL ZETRANS HD SERIES meets or exceeds following International and Builder specifications:

- Caterpillar TO-4
- Allison C-4
- Vickers M-2950-S

APPLICATIONS

ZEAL ZETRANS HD SERIES are suitable for use in:

- Suitable for use in heavy duty transmissions, gear boxes, final drives and hydraulic systems used in off highway applications.
- Off-highway applications including: mining, agriculture, construction and quarrying.
- Suitable for certain manual, powershift and automatic transmissions where Allison C-4 fluids (SAE 10W & 30 grades) are recommended.
- Hydraulic applications in most of mobile equipment

TYPICAL PHYSICAL CHARACTERISTICS

Zeal zetrans	Test Method	Units	10W	30	50	60
Density @ 15 °C	ASTM D 4052	gm/cc	0.880	0.892	0.904	0.910
Viscosity @ 100 °C	ASTM D 445	cSt	5.6	11.6	20.5	25.6
Viscosity @ 40 °C	ASTM D 445	cSt	35	108	254	356
Viscosity Index	ASTM D 2270	-	96	95	95	95
Pour Point	ASTM D 97	°C	-33	-18	-12	-12
Flash Point (COC)	ASTM D 92	°C	214	230	242	242

These characteristics are typical of current product methods whilst future production will confirm to Zeal lubricants specifications, variations in these physical characteristics may occur.

PROTECT THE ENVIRONMENT

Take used oil to an authorized collection point or to be recycled. Do not discharge used or new oil into drains, soil or water.

ADDITIONAL INFORMATION

Based on available information, this product is not expected to produce adverse effect on health when used for the Applications referred to above and the recommendations provided in safety data sheet are followed. guidance on health and safety is available on the appropriate material safety data sheet(MSDS) which can be obtained from www.zeallubricants.com