

TRANS HD SERIES

HEAVY DUTY EXTREME PRESSURE GEAR OILS



Performance Claims

API GL-5/GL-4; MIL-L-2105D; MAN 342 TYPE M2/M1; ZF TE-ML 05A/07A/08/12E/16B,C,D/17B/19B/21A

Product Description

TRANS HD SERIES are heavy duty gear oils manufactured from high quality base oils and high levels of extreme pressure (EP) additives to provide a lubricant with outstanding anti wear protection. TRANS HD SERIES are designed to cope with the increasing demands of today's motoring conditions, which include high shock load, high torque, and high speed service conditions.

Features & Benefits

- ✓ Excellent oxidation stability.
- ✓ Good low and high temperature performance.
- ✓ Suitable for synchromesh gearboxes.
- ✓ Long service life.
- ✓ Good protection against rust and corrosion.
- ✓ High level of wear protection.
- ✓ Covers API GL-5 and GL-4 offering rationalisation of grades.

Applications

TRANS HD SERIES are designed for use in a wide variety of manual gear applications, including synchromesh, fitted to automotive and commercial vehicles. TRANS HD SERIES are used for spiral bevel axles under moderate/severe conditions of speed/load and hypoid gears under various speed/load conditions. TRANS HD SERIES are suitable for use in trans-axles, transfer boxes, axles, swivel pin housings, reduction hubs, oil lubricated bearings, hoist/winch gearboxes, slew gearboxes, chain drives, track drives, track rollers and idlers where the OEMs specifying GL-5 oil. Please note that SAEs 80/90/80W90/85W90 are the most preferable viscosity grades for front gearboxes while SAEs 140/80W140/85W140 are the most preferable viscosity grades for rear axles and differentials.

Typical Test Data

Characteristics	Method	Unit	Typical Value						
			TRANS HD 805 80	TRANS HD 905 90	TRANS HD 905 80W90	TRANS HD 905 85W90	TRANS HD 1405 140	TRANS HD 1405 80W140	TRANS HD 1405 85W140
Product Name									
Product Code			CVLG 50108	CVLG 50109	CVLG 50110	CVLG 50111	CVLG 50112	CVLG 50113	CVLG 50114
SAE Grade			80	90	80W90	85W90	140	80W140	85W145
Density @ 25°C	ASTM D 4052	g/cc	0.88	0.90	0.90	0.90	0.91	0.91	0.91
K. Viscosity @ 40°C	ASTM D 7042	cSt	67.40	210.55	192.25	201.40	440.00	425.00	426.00
K. Viscosity @ 100°C	ASTM D 7042	cSt	8.50	17.90	17.00	17.50	29.00	29.00	29.00
Viscosity Index	ASTM D 2270	None	95	93	94	94	95	96	96
Brookfield Viscosity	ASTM D 2983	cP	-	-	106000 @ -26 °C	117000 @ -12 °C	-	128000 @ -26 °C	139000 @ -12 °C
Flash Point	ASTM D 92	°C	230	240	240	240	250	250	250
Pour Point	ASTM D 6749	°C	-15	-15	-15	-15	-9	-18	-18

Health and Safety

This product used as our recommendation for intended application is not expected to produce any particular risk. A safety data sheet of the product is available on request from your sales contact office or via internet. In case of used oil elimination, please respect the regulation and protect the environment.

Available Packages | BULK | 205 L | 25 L | 20 L | 6X5 L | 4X5 L | 6X4 L | 4X4 L | 12X1L |