GEAR SYN TDL

DESCRIPTION

GEAR SYN TDL is a fully synthetic, multipurpose automotive gear lubricant. It is formulated with special high performance thermally stable additives that ensure excellent low temperature fluidity while the improved viscosity-temperature characteristics provide dependable lubrication at high temperatures. It provides the relatively high viscosity and load carrying characteristics, necessary for heavy duty drive axles and transfer cases.

APPLICATIONS

GEAR SYN TDL is recommended for manual transmissions (if the manufacturer recommends this oil quality), transfer cases and heavily-loaded axle drives in on-/off-road vehicles operating under severe conditions and in extremely cold or hot environments. It is suitable for use in moderate or severe conditions (high speed and/or low speed, high-torque conditions or sustained high temperature operation).

CHARACTERISTICS-BENEFITS

CHARACTERISTICS	BENEFITS
Excellent wear protection even in the most severe applications.	Longer equipment life.
Resistance to lubricant oxidation at high temperatures developed during high speed operation.	Long drain capability.
Excellent low temperature fluidity.	Improved gear changing in cold weather.
Extreme pressure enhancement.	Excellent wear protection even in the most severe applications, such as hypoid final drives.
Fully compatible with seals and metals.	Guarantees protection against leaks.

PHYSICAL-CHEMICAL CHARACTERISTICS

GEAR SYN TDL	METHOD	SAE 75W-90
Density at 15°C, g/cm^3	ASTM D1298	0,863
Viscosity, Kinematic (cSt) 100^{0}C	ASTM D445	15,0
Viscosity, Kinematic (cSt) 40^{0}C	ASTM D445	99,5
Viscosity index	ASTM D2270	158
Flash point, COC, °C	ASTM D92	216
Pour point, °C	ASTM D97	-42

The above mentioned characteristics represent mean values.

SPECIFICATIONS

API GL-5, GL-4, MT-1; ArvinMeritor 076-N; Daimler MB 235.8; U.S. MIL-L-2105D, PRF-2105E (J 2360); ZF TE-ML 02B, 05B, 07A, 08, 12B, 13, 16F, 17B, 19C, 21B; MAN 341 Type Z2, 341 Type E2, 342 Type M2, 342 Type M3; Mack GO-J; Scania STO:1; Eaton Europe (transmissions)