SYNTORQ® LT

Low Temperature Manual Transmission Fluid

DESCRIPTION Syntorq® LT is a premium high performance, synthetic gear lubricant for synchronized manual transmissions. The all new "clean slate" approach enables Syntorq® LT to provide consistent performance and durability under the most severe operating conditions due to its unique polymer free formula.

PRODUCT FEATURES -Extended drain service
-Consistent synchronizer performance
-Reduced gearshift effort at low temperatures
-Superior shear stability
-Compatibility with most conventional elastomers
-Reduced noise
-Very low gear wear and pitting
-Improved thermal and oxidative stability
-Reduced operating temperatures

APPLICATIONS Syntorq® LT is available in one viscosity grade equivalent to SAE 75W-85W. It has been designed primarily as a problem solving gear lubricant for manual transmissions to provide reduced gearshift effort at low temperatures. Syntorq® LT meets API GL-4 requirements and, if permitted by the OEM, can be used in other driveline applications calling for a GL-4 type fluid. It should not be used in automatic transmissions requiring an automatic transmission fluid.

TYPICAL PROPERTIES

SAE Grade, J 306	75W-85W
Viscosity, ASTM D-445, cSt @ -40ºC @ 40ºC @100ºC	29,900* 72.7* 12.2*
Brookfield Viscosity, ASTM D-2983, @ -40ºC, cP	23,950*
Viscosity Index, ASTM D-2270	165*
API Gravity, ASTM D-287, @ 60ºF	32.0*
Specific Gravity, ASTM Table 3, @ 60ºF	0.865*
Pounds per gallon, ASTM Table 8, @ 60ºF	7.2*
Pour Point, ASTM D-97, ºC	-56*
Flash Point, ASTM D-92, ºC	224
Fire Point, ASTM D-92, ºC	243
Evaporation Weight Loss, ASTM D-972, 22 hrs. @ 350ºF, wt. %	3.5
Kurt Orbahn Shear Stability, ASTM D-3945 200 cycles 30-35ºC, 2000 psi, % viscosity loss	3.0
FZG Wear, A/20.6/90, Load Stage Pass @ 1450 rpm, 90ºC @ 1450 rpm, 150ºC @ 2900 rpm, 90ºC	12 12 12
Four Ball Wear, ASTM D-2266, 40 kg, 1200 rpm, 75ºC, 1 hr. AWSD, mm	0.35
Acid Number, ASTM D-664, mg. KOH/gm	0.84*
Water by KFR, % ASTM D-1744	0.04*
Sulfur, % weight XRF	0.81*

Foam, ASTM D-892, Sequence I, ml Tendency Stability	0* 0*