

KOYOTO SYNCHRO HD 80W140 GL-5 SERIES

SYNTHETIC BLEND HIGH PERFORMANCE Manual Transmission Oil



Product Data Sheet

Product Description

KOYOTO SYNCHRO HD 80W140 GL-5 is a high performance heavy duty gear oil, formulated from high quality Synthetic Blend of base oils and an advanced additive system. These lubricants are designed for automotive heavy-duty transmissions, axles and final drives. Moreover these oils are specially engineered for heavy-duty axles and final drives where extreme pressures and shock loadings are expected.

Features & Benefits

- Exceptional thermal & oxidation stability protects against deposit formation and oil thickening, thus maintains the life and performance of lubricant and transmission.
- Outstanding anti-wear properties and excellent film strength provides exceptional equipment protection, that not only results in fewer breakdowns but also helps improve transmission efficiency.
- Excellent rust and corrosion protection for longer component life.
- Compatibility with seals and gaskets, leads to minimize oil leakage and reduced contamination.

Specifications

KOYOTO SYNCHRO HD 80W140 GL-5 meets or exceeds following International and Builder specifications:

- API GL-5
- MIL-L-2105D (U.S Military Specification)
- Scania STO 1:0
- MAN 342 M1/M2
- ZF TE-ML 05A/7A/12E/16B,C&D/17B/19B/21A
- Volvo 1273.10

Application

KOYOTO SYNCHRO HD 80W140 GL-5 is suitable for use in all Passenger cars, On-highway light and heavy duty trucks, and commercial vehicles.

- Suitable for Heavy duty manual transmissions, axles and final drives requiring API GL-5 level performance.
- Applications like Off-highway industries including: construction, mining, quarrying, and agriculture.
- Other heavy-duty industrial and automotive applications, involving hypoid gears operating under conditions where high speed/shock load, high speed/low torque, and/or low speed/high torque exists.

Typical Characteristics

KOYOTO SYNCHRO HD GL-5	Test Method	Units	80W140
Density @ 15 °C	ASTM D 4052	gm/cc	0.89
Viscosity @ 40 °C	ASTM D 445	cSt	254
Viscosity @ 100 °C	ASTM D 445	cSt	25.6
Viscosity Index	ASTM D 2270	-	130
Pour Point	ASTM D 97	°C	-33
Flash Point (COC)	ASTM D 92	°C	242
Copper Strip Corrosion	ASTM D 130	-	1B
Foam Seq I, II, III	ASTM D 892	ml/ml	20/0
Phosphorus	ASTM D 4951	%wt	0.055

The above figures are typical of blends with normal production tolerance and do not constitute a specification.