

# KOYOTO SYNCHRO HD 140 GL-5 SERIES



## Product Data Sheet

### Product Description

KOYOTO SYNCHRO HD 140 GL-5 series of lubricants are high performance heavy duty gear oils, formulated from high quality 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 140 GL-5 series meets or exceeds following International and Builder specifications:**

- API GL-5
- MIL-L-2105D (U.S Military Specification)

### Application

KOYOTO SYNCHRO HD 140 GL-5 series are suitable for use in all Passenger cars, On-highway light and heavy duty

- 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	Test Method	Units	90	140	80W-90	85W-90	85W-140
Density @ 15 °C	ASTM D 4052	gm/cc	0.890	0.910	0.888	0.890	0.908
Viscosity @ 40 °C	ASTM D 445	cSt	145	447	146	190	53
Viscosity @ 100 °C	ASTM D 445	cSt	14.3	30.0	14.7	17.4	25.6
Viscosity Index	ASTM D 2270	-	96	95	01	97	95
Pour Point	ASTM D 97	°C	-12	-9	-24	-24	-15
Flash Point (COC)	ASTM D 92	°	240	26	230	236	248
Copper Strip Corrosion	ASTM D 130	-	1B	1B	1B	1B	1B
Foam Seq I,II,III	ASTM D 892	ml/ml	10/0	20/0	10/0	10/0	20/0
Phosphorus	ASTM D 4951	%wt	0.055	0.055	0.055	0.055	0.055

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