

APEX SYNCHRO HD 90 GL-5 SERIES

Manual Transmission Oil – Synthetic Blend



Product Data Sheet

Product Description

APEX SYNCHRO HD 90 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 heavyduty 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

- Good thermal & oxidation stability protects against deposit formation and oil thickening, thus maintains the life and performance of lubricant and transmission.
- Enhanced anti-wear properties and outstanding 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

APEX SYNCHRO HD 90 GL-5 meets or exceeds following International and Builder specifications:

- API GL-5
- MIL-L-2105D (U.S Military Specification)
- MAN 342 M2
- ZF TE ML05A, 7A, 12E, 16B, C & D, 17B, 19B, 21A

Application

APEX SYNCHRO HD 90 GL-5 series are 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

APEX SYNCHRO HD GL-5	Test Method	Units	90	140	80W90	85W90	85W140
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	356
Viscosity @ 100 °C	ASTM D 445	cSt	14.3	30.0	14.7	17.4	25.6
Viscosity Index	ASTM D 2270	-	96	95	100	97	95
Pour Point	ASTM D 97	°C	-12	-9	-24	-24	-15
Flash Point (COC)	ASTM D 92	°C	240	260	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.

For further information, please contact: sales@apexdrive.com