

Samic Syn Synchro HD 75W80, 75W90 GL-5

Synthetic Blend High Performance Manual Transmission Oil



Product Data Sheet

Product Description

Samic Syn Synchro HD GL-5 series is a range of high performance heavy duty gear oils, 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.

Performance & Customer 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 & Recommendations

Samic Syn Synchro HD GL-5 series meets or exceeds following International and Builder specifications:

- API GL-5/MT-1 (eqv. MIL-L-2105D)
- SAE J2360
- Scania STO 1:0
- MAN 342 M2
- ZF TE ML 05A, 7A, 12E, 16B, C & D, 17B, 19B, 21A
- Volvo 1273.10

Main Application

Samic Syn Synchro HD GL-5 series 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 Physical Characteristics

Samic Syn Synchro HD	Test Method	Units	75W80	75W90
Density @ 15 °C	ASTM D 4052	gm/cc	0.850	0.87
Viscosity @ 40 °C	ASTM D 445	cSt	56.5	125
Viscosity @ 100 °C	ASTM D 445	cSt	9.5	16.3
Viscosity Index	ASTM D 2270	-	152	139
Pour Point	ASTM D 97	°C	-42	-39
Flash Point (COC)	ASTM D 92	°C	220	222
Copper Strip Corrosion	ASTM D 130	-	1A	1B
Foam Seq I,II,III	ASTM D 892	ml/ml	10/0	10/0
Phosphorus	ASTM D 4951	%wt	0.055	0.055

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