

NATIONAL Gearbox Oil HDX GL-5

NATIONAL Gearbox Oil HDX GL-5 series is a multigrade automotive transmission (gearbox) lubricant series developed for gears operating under the severe conditions in transmissions, axles, and final drives. It exceeds API GL-5 requirements and has a proven track record where extreme pressures and shock loadings are expected.

Benefits

- In-built anti-weld, anti-scuff, and EP properties ensure trouble-free operation and longer component life.
- Features oxidation and thermal stability for deposit-free operation and long service life.
- Offers easy startability and effective lubrication at low temperatures.
- Compatible with automotive seals and gaskets, eliminating leaks.

Meets/Exceeds

- API GL-5
- ISO 12925-1 CKC/CKD
- US Steel 224
- IS 8406
- GB 5903-L- CKC/CKD

Applications

- Suitable for manual gearboxes and axles in passenger cars, commercial trucks requiring API GL-5 specification.
- Off-highway gearbox and axle applications in construction, mining, quarrying, and other sectors.
- Heavy-duty industrial and automotive applications where slow speed, high torque, heavy loads, shock loads & severe conditions are expected.

Product Characteristics

Properties	Test Method	Unit	SAE 80W-90	SAE 85W-90	SAE 85W-140
Density @ 15 °C	ASTM D4052	kg/L	0.8870	0.9003	0.9075
Kinematic Viscosity at 40 °C	ASTM D445	cSt	138.7	184.6	403.0
Kinematic Viscosity at 100 °C	ASTM D445	cSt	14.5	16.9	28.2
Viscosity Index	ASTM D2270	-	103	97	96
Flash Point, COC	ASTM D92	°C	244	244	246
Pour Point	ASTM D97	°C	-30	-18	-18
<i>Product Code</i>			306022	319022	307022

- Information, test methods, figures are typical and conform to specification; minor variation may occur.
- Refer Owner's Manual for the manufacturer's recommended performance level, viscosity grade and builder approval requirements.
- Please refer to the product Safety Data Sheet (SDS) for health, safety, and handling information.

