



PETROMIN Gearbox Oil HD series is monograde automotive transmission lubricant developed for gears operating under the severe conditions in transmissions, axles, and final drives. It exceeds the requirements of API GL-5 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.
- Compatible with automotive seals & gaskets, eliminating leaks.

## Meets/Exceeds

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

## Applications

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

## Product Characteristics

| Properties                    | Test Method | Unit | SAE 90        | SAE 140       |
|-------------------------------|-------------|------|---------------|---------------|
| Density at 15 °C              | ASTM D4052  | kg/L | 0.8990        | 0.9065        |
| Kinematic Viscosity at 40 °C  | ASTM D445   | cSt  | 198.5         | 394.8         |
| Kinematic Viscosity at 100 °C | ASTM D445   | cSt  | 17.7          | 27.6          |
| Viscosity Index               | ASTM D2270  | -    | 96            | 96            |
| Flash Point, COC              | ASTM D92    | °C   | 262           | 278           |
| Pour Point                    | ASTM D97    | °C   | -15           | -15           |
| <i>Product Code</i>           |             |      | <i>304000</i> | <i>305000</i> |

\* 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.

