

PETRONAS GL-5

High Performance Extreme Pressure Hypoid Gear Oils

Petronas GL-5 oils are high performance, multipurpose, thermally stable, extreme pressure automotive hypoid gear oils formulated to exceed the severe API GL-5 performance standard.

It is designed and manufactured from selected premium quality base oils and specially selected additives system to provide excellent protection for heavy-duty manual transmission of heavily loaded equipment and passenger vehicles.

Applications

Recommended for the lubrication of hypoid, spur, bevel, helical, spiral-bevel and worm gears in differentials, manual transmissions, final drives, transfer cases and steering mechanisms where this type of fluid is recommended.

- Superior thermal and oxidation stability – the highly refined base oil and special inhibitor system provide excellent resistance toward high temperature oil degradation and oil thickening to ensure deposit do not form around seal and helps maintain clean bearing surfaces to minimize wear.
- Provide good moisture corrosion protection.

Customer Benefits

- Excellent load carrying ability – the high performance EP additives system provide excellent, long lasting protection against surface stress (scuffing, spalling, pitting, scoring and wear) under the toughest conditions such as heavy dynamic and shock loads.

Specifications

- API GL-5
- MIL-L-2105D (SAE 80W-90, 85W-140)
- MIL-L-2105B (SAE 90, 140)

Product Typicals

Characteristics	80W-90	85W-140	90	140
Density @ 15 °C, kg/l	0.897	0.908	0.903	0.910
ASTM Colour	3.0	4.0	3.0	3.5
Pour Point, °C	-30	-15	-9	-9
Flash Point, °C	210	218	210	216
Kinematic Viscosity, cSt				
@ 40 °C	112	382	195	430
@ 100 °C	14.8	27.1	17.3	29.0
Viscosity Index	137	97	96	96

Customer Advice

For further assistance on product MSDS, recommendation or technical queries, please liaise with the regional technical services engineer or contact HQ technical engineers.