PETRONAS GL-4

High Quality Extreme Pressure Hypoid Gear Oils

Petronas GL-4 oils are high quality, thermally stable, mild-extreme pressure automotive hypoid gear oils formulated to exceed the API GL-4 performance level.

It is designed and manufactured from premium quality base oils and carefully selected additives system to provide high level of protection for hypoid gears and other heavily loaded gears, in general, where API GL-4 performance is required.

Applications

Recommended for the lubrication of manual transmissions and transaxles (particularly where the manufacturer specifically advises against the use of API GL-5 lubricants), hypoid, spur, bevel, helical, spiral-bevel and worm gears in differentials, transfer cases and steering mechanisms. It is also suitable for use in gearboxes, final-drives and power take-offs on farm and earth-moving machinery.

Customer Benefits

- High load carrying ability – the special high performance EP additives system provide high level of protection against gear tooth wear and scoring.
- Superior thermal and oxidation stability – the highly refined base oil and special inhibitor system provide superior oxidation stability to high temperature oil degradation and oil thickening to ensure deposit do not form around seal and helps maintain clean bearing surfaces to minimize wear.
- Non-corrosive to steel – the special mild-extreme pressure additives and corrosion inhibitor system is non-corrosive towards sensitive copper alloy components and protects ferrous metals against rusting in the presence of moisture.

Specifications

- API GL-4
- MIL-L-2105

Product Typicals

Characteristics	80W	80W-90	85W-140	90	140
Density @ 15 °C, kg/l	0.897	0.887	0.908	0.898	0.907
ASTM Colour	2.5	3.0	4.0	3.0	3.5
Pour Point, °C	-9	-27	-15	-9	-9
Flash Point, °C	225	226	228	210	228
Kinematic Viscosity, cSt					
@ 40 °C	112	134	410	195	429
@ 100 °C	12.0	14.1	28.6	17.3	29.0
Viscosity Index	95	103	97	95	95

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.