

PETRONAS GEAR MEP

High performance Industrial Extreme Pressure Gear Oils

Petronas Gear MEP is a high performance extreme pressure (EP) industrial gear oils specially formulated for the lubrication of industrial gears subjected to severe loads and shock loading services.

It is formulated from specially selected premium quality base oils for their oxidation stability and water separating characteristics, and further fortified with selected sulphur-phosphorous additives system to provide outstanding extreme pressure and wear protection, enhanced oxidation stability and resistance to rusting and foaming. It is available in ISO 32 through ISO 680* viscosity grades.

Applications

Recommended for the lubrication of :

- All type of enclosed gears with circulation or splash lubrication systems especially where operating condition involve heavy loads, high speed and high relative sliding velocities.
- Industrial type reduction gearboxes on mining equipment, cement mills, ball and rolling mills, crushers, conveyors, kiln, winches, machine tools and marine equipment.
- Coupling, spindles and plain bearings

Customer Benefits

- Outstanding load carrying properties protect against shock loading and prevent scuffing.
- Superior thermal and oxidation stability to resist oil degradation and thickening for longer oil service life.
- Rapid water separation and anti-foam properties to ensure trouble-free operation.
- Specially selected additives system prevent the formation of damaging deposits, varnish and rust.

Specifications

- U.S Steel 224
- AGMA 250.04
- DIN 51517 part 3 CLP
- ASLE EP

Product Typicals

Characteristics	ISO Viscosity Grade							
	32	68	100	150	220	320	460	680*
AGMA Grade	-	2EP	3EP	4EP	5EP	6EP	7EP	8EP
Density @ 15 °C, kg/l	0.892	0.897	0.898	0.899	0.899	0.903	0.904	0.915
Pour Point, °C	-9	-9	-9	-9	-9	-9	-9	-9
Flash Point, °C	219	204	222	255	252	252	252	252
Kinematic V iscosity, cSt								
@ 40 °C	32	68	100	150	220	320	460	680
@ 100 °C	5.3	8.5	11.1	14.6	18.7	24.0	30.4	35.4
Viscosity Index	95	95	95	95	95	95	95	90

* available upon special request only and the packaging sizes are 200 Lt drum & 20 Lt pail

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.