

# PETRONAS HIDRAULIK EP

## Premium Quality Anti-Wear Hydraulic Oils

Petronas Hidraulik EP series are premium quality anti-wear hydraulic fluids designed for use in hydraulic systems in industrial and mobile service where anti-wear properties are required.

They are formulated from premium quality base oils and selected additives system to provide excellent protection against wear and corrosion, enhanced thermal and oxidation stability, and resistance to rusting and foaming. They are available in ISO 10 through ISO 150 viscosity grades.

### Applications

Recommended for the lubrication of :

- All heavy-duty hydraulic applications (mobile and stationary) requiring excellent wear protection.
- All hydraulic pumps designs including vane, gear, and axial and radial piston pump except for pumps containing silver plated components.
- Plain and anti-friction bearings used in electric motors.
- Gear sets requiring non-EP gear oils
- Automated machine tools, presses, diecasting machines, circulating systems and hydraulic control systems.

### Customer Benefits

- Excellent wear protection at all operating conditions.
- Superior thermal and oxidation stability to resist oil degradation and thickening for longer oil service life.
- Rapid water separation, excellent air release and anti-foam properties to ensure trouble-free operation.
- Specially selected additives system prevent the formation of damaging deposits, varnish, sludges and rust.

### Specifications

- CETOP RP 91H HM
- DIN 51524 Part 2 HLP
- AFNOR NFE 48600 HM
- BS 4231 HSD
- VDMA 24318
- DENISON HF-2A

### Product Typicals

Characteristics	ISO Viscosity Grade							
	10	22	32	37*	46	68	100	150
Density @ 15 °C, kg/l	0.865	0.860	0.891	0.892	0.893	0.897	0.898	0.899
Pour Point, °C	-30	-30	-9	-9	-9	-9	-9	-9
Flash Point, °C	145	204	222	228	228	246	252	270
Kinematic Viscosity, cSt								
@ 40 °C	10.7	22	32	37	46	68	100	150
@ 100 °C	2.8	4.4	5.3	5.8	6.6	8.5	11.1	14.6
Viscosity Index	98	98	95	95	95	95	95	90

\* not and ISO Viscosity Grade. ISO 10 & 37 only available on special request

### 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.