

PETRONAS HIDRAULIK HL

Premium Quality R&O Hydraulic Oils (HL-Type)

Petronas Hidraulik HL series are premium quality R&O hydraulic fluids intended for use in hydraulic systems in industrial and mobile service where anti-wear lubricants are not required.

They are formulated from premium quality base oils and selected additives system to provide excellent resistance to oxidation and protection against rust and corrosion in high humidity or slight water contamination. They also have good water separation and rapid air release properties. They are available in ISO 32 through ISO 150 viscosity grades.

Applications

Recommended for the lubrication of :

- All hydraulic applications (mobile and stationary) where anti-wear properties are not required.
- Plain and anti-friction bearings used in electric motors.
- Gear sets not requiring EP gear oils
- Air compressor in which the temperature is not exceeding 140 °C

Customer Benefits

- 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 HL
- DIN 51524 Part 1
- AFNOR NFE 48600 HL
- BS 4231 HSC
- DIN 51517 CL
- DENISON HF-1A

Product Typicals

| Characteristics | ISO Viscosity Grade | | | | |
|---------------------------|---------------------|-------|-------|-------|-------|
| | 32 | 46 | 68 | 100 | 150 |
| Density @ 15 °C, kg/l | 0.887 | 0.891 | 0.895 | 0.896 | 0.897 |
| Pour Point, °C | -9 | -9 | -9 | -9 | -9 |
| Flash Point, °C | 219 | 231 | 264 | 276 | 279 |
| Kinematic V iscosity, cSt | | | | | |
| @ 40 °C | 32 | 46 | 68 | 100 | 150 |
| @ 100 °C | 5.3 | 6.6 | 8.5 | 11.1 | 14.6 |
| Viscosity Index | 95 | 95 | 95 | 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.