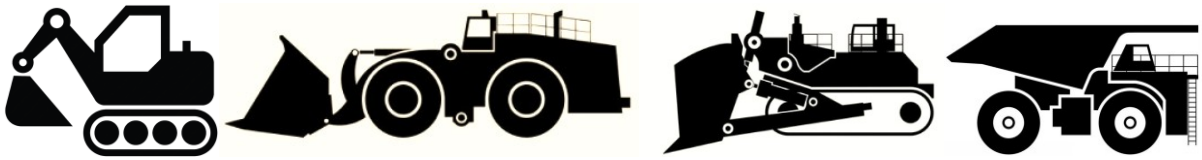
PATROL HYDRAULIC OIL
ISO VG 46



PRODUCT DESCRIPTION

Patrol Oil Hydraulic Oil ISO VG 46 is a high-performance anti-wear hydraulic fluid designed for industrial and mobile hydraulic systems operating under moderate to severe service conditions. It delivers excellent wear protection, oxidation stability, and system cleanliness.

APPLICATIONS

- Industrial hydraulic systems
- Mobile and construction equipment
- Hydraulic pumps, valves, and actuators
- Systems operating at moderate to high pressures
- Suitable for vane, piston, and gear pumps

FEATURES & BENEFITS

- Excellent anti-wear protection for hydraulic components
- Superior oxidation and thermal stability
- Good demulsibility and water separation
- Effective rust and corrosion protection
- Helps extend equipment service life

PERFORMANCE STANDARDS / OEM REFERENCES

- ISO 11158 HM
- DIN 51524 Part 2 (HLP)
- Denison HF-0 / HF-1 / HF-2
- Eaton Vickers M-2950-S / I-286-S
- Bosch Rexroth Hydraulic Fluid Requirements
- Cincinnati Machine P-68 / P-70
- AFNOR NF E 48-603 HM
- U.S. Steel 127 / 136 (legacy)

TYPICAL PROPERTIES

PROPERTY	METHOD	UNIT	TYPICAL VALUE
ISO Grade	ISO 3448	-	46
Kinematic Viscosity @ 40°C	ASTM D445	cSt	43–49
Kinematic Viscosity @ 100°C	ASTM D445	cSt	7.5–8.5
Viscosity Index	ASTM D2270	-	95–105
Flash Point (COC)	ASTM D92	°C	210–230
Pour Point	ASTM D97	°C	-24
Density @ 15°C	ASTM D4052	kg/m^3	875–885

Note: These characteristics are typical of current production. While future production will conform to PATROL's specification, variations in these characteristics may occur.

Health and Safety: Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. MSDS's are available upon request. This product should not be used for purposes other than its intended use. If disposing off used product, take care to protect the environment