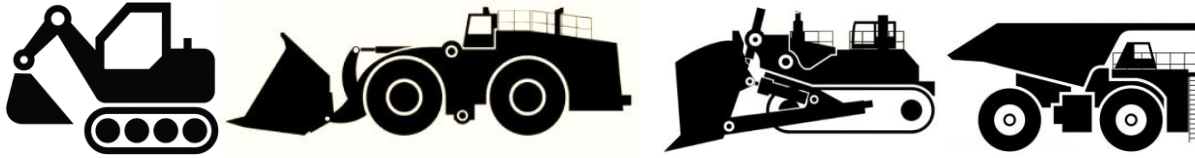


HYDRAULIC OIL ISO 220 *(Very High Performance Anti-Wear Hydraulic Oils)*



DESCRIPTION

PATROL Hydraulic Oils are supreme performance anti-wear hydraulic oils designed to satisfy a wide range of hydraulic equipment requirements. They were developed to meet the stringent requirements of severe hydraulic systems using high pressure, high output pumps as well as handling the critical requirements of other hydraulic system components such as close clearance servo-valves and the high accuracy numerically controlled (NC) machine tools. Formulated with high quality base oils and a super-stabilized additive system that neutralizes the formation of corrosive materials & designed to work with systems operating under severe conditions where high levels of antiwear and film strength protection are needed.

APPLICATIONS

PATROL Hydraulic Oils are detergent-dispersant antiwear hydraulic oils designed to maintain and clean critical hydraulic systems that work around the clock. Many years of field experience, with increasingly complex systems, have established the outstanding abilities of this fluid to keep them running at peak performance.

It meets the requirements of major machine tool builders and pump manufacturers. It performs well in air-cooled reciprocating and rotary compressors, light to medium, loaded gear drives and other circulating oil systems.

PRODUCT BENEFITS

- Handle high levels of contamination
- Keep system and valves clean
- Specially designed for heavily loaded applications
- High thermal stability
- Good filterability even in presence of high water content
- Excellent resistance to foaming (silicon free) and rapid air release
- Excellent antiwear capacity ensuring an extended life time of product
- Excellent protection against rust and corrosion.

RECOMMENDATIONS / SPECIFICATIONS

(MEETS OR EXCEEDS)

International Standards : AFNOR NF E 48-603 HM, ISO 6743/4 HM, DIN 51524 P2 HLP, CINCINNATI MILACRON P68, P69, P70

TYPICAL TECHNICAL PROPERTIES

Density at 15°C, g/ml, ASTM D4052	0.884
Kinematic Viscosity at 40°C, mm ² /s, ASTM D445	218
Kinematic Viscosity at 100°C, mm ² /s, ASTM D445	9.3
Viscosity Index, ASTM D2270	98
Flash Point(COC), °C, ASTM D92	>230
Pour Point, °C, ASTM D97	-18
FZG 4-Square Load Support, DIN 51354, Fail Stage	12
Copper strip corrosion, 3 hrs @ 100°C, ASTM D130	1B
Rust protection Proc B, ASTM D665	PASS

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.

