HYDRAULIC AW 68 - MINERAL

Description:

High performance hydraulic oil with anti-wear (AW) properties designed to meet a wide range of hydraulic equipment requirements. Developed to meet the stringent requirements of severe hydraulic systems utilizing high pressure, high performance pumps as well as to handle the critical requirements of other hydraulic system components such as reduced clearance servo valves and high precision numerically controlled (NC) machine tools. Formulated with high quality base oils and a super stabilized additive system that neutralizes the formation of corrosive materials and is designed to work with systems operating under severe conditions where high levels of wear protection and film strength are required, although formulated to perform where non-anti-wear hydraulic oils are generally recommended.

Applications:

Designed to provide excellent protection in mobile and stationary hydraulic pumps of vane, piston and gear types, as well as in high performance industrial applications, even in environmentally sensitive areas.
Suitable for use in all types of hydraulic systems operating under the most difficult conditions, such as in machine tools, injection moulding machines, presses and other industrial or mobile equipment. It is also used in many other applications, where a high-performance universal anti-wear lubricant is the first choice: low-load gears, sliding and roller bearings, air compressors, servomotors and control systems equipped with fine filtration systems.

Properties:

It offers outstanding oxidation resistance which allows for longer oil and filter change intervals. Its high level of anti-wear properties and excellent film strength characteristics result in exceptional equipment performance, which not only reduces breakdowns but also helps improve production capacity.
Their controlled demulsification capabilities allow the oils to perform well in systems contaminated with small amounts of water while easily separating large amounts of water.

Product benefits:

- High protection against wear ensuring maximum equipment life.
- Superior thermal stability prevents sludge formation even at high temperatures.
- Very good oxidation stability that ensures a long fluid life.
- Quality reserve maintains performance characteristics even under severe service conditions and extended change intervals.
- Excellent hydrolytic stability prevents filter blockage.
- Excellent protection against rust and corrosion.
- Good anti-foam and air release properties when using silicone-free components.
- Good demulsibility that ensures rapid water separation.
- Reduction of maintenance and operation costs.
- Remarkable filterability even in the presence of water.

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Technical properties:

TYPE OF ANALYSIS	METHOD	RESULT
ISO Viscosity Grade		68
Visual appearance		Amber
Density 15ºC, g/ml	ASTM D-4052	0.884
Kinematic Viscosity at 40ºC, mm²/s	ASTM D-445	68
Kinematic Viscosity at 100ºC, mm²/s	ASTM D-445	8.77
Viscosity Index	ASTM D-2270	100
Flash point, ºC	ASTM D-92	238ºC
Pour point, ºC	ASTM D-97	-24ºC
FZG 4-Square Load Support	DIN 51354 (Failure stage)	12
Corrosion of copper foil, 3 h at 100°C	ASTM D-130	1B
Corrosion protection Proc B	ASTM D665	Approved

* Note: These characteristics are representative of current production. Although future production will conform to current specifications, variations in these characteristics may occur.

Specifications/Recommendations:

International Standards:	Meets or exceeds:
AFNOR NF E 48-603 HM ISO 6743/4 HM DIN 51524 P2 HLP CINCINNATI MILACRON P68, P69, P70	VICKERS M-2950S, -I-286 DENISON HF0, HF1, HF2 (T6H20C) HUSKY HS 207

Health and Safety:

Based on available information, this product is not expected to cause adverse health effects when used for its intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. MSDS's are available upon request through your sales contact office.

This product should not be used for purposes other than its intended use. If disposing of used products, take care to protect the environment.