



ATLANTIC SYNTHETIC HYDRAULIC OILS

Synthetic PAO Based Antiwear Hydraulic Fluid

PRODUCT DATA

DESCRIPTION

ATLANTIC SYNTHETIC HYDRAULIC OILS are designed to provide excellent wear protection for high-pressure vane, piston and gear pumps in a wide range of temperatures, helping to extend the life of machine components. They also deliver hydraulic efficiency and system cleanliness and durability.

APPLICATIONS

ATLANTIC SYNTHETIC HYDRAULIC OILS are suitable for:

- Systems where cold start-up and / or very high operating temperatures are typical
- Where small amounts of water are unavoidable
- In systems containing gears and bearings
- Hydraulic systems prone to deposit build-up such as sophisticated Numerically Controlled (NC) machines, particularly where close clearance servo-valves are used
- Systems employing multi-metal component designs
- Hydraulic systems on mobile equipment such as dump trucks, motor graders, bulldozers and forklifts
- High pressure vane, piston and gear pumps
- Systems requiring a high degree of load-carrying capability and anti-wear protection
- Applications where thin oil-film corrosion protection is an asset such as in systems containing moisture

PROPERTIES

ATLANTIC SYNTHETIC HYDRAULIC OILS exhibit outstanding low and high temperature performance helping to provide an extra margin of equipment protection above and beyond the capabilities of comparable mineral oil-based products. Their controlled demulsibility permits the oils to work well in systems contaminated with small amounts of water yet readily separate large amounts of water.

PRODUCT BENEFITS

- Wide temperature range performance
- Excellent Corrosion Protection
- Outstanding Oxidation Stability
- Clean hydraulic systems
- Exceptional Anti-wear
- High Viscosity Index
- Protects against valve sticking
- Protects against rust and corrosion
- Meets a Wide Range of Equipment Requirements
- Very Good Multi-metal Compatibility
- Excellent Air Separation Characteristics
- Controlled Demulsibility
- Helps reduce system deposits and potential sludging
- Long equipment life and lower maintenance costs
- Reduces wear at cold start-up temperatures

RECOMMENDATIONS / SPECIFICATIONS

DENISON HF-0, HF-1, HF-2, VICKERS I-286-S, VICKERS M-2950-S, CINCINNATI MILACRON P-68, P-69, P-70

TYPICAL TECHNICAL PROPERTIES

ISO Viscosity Grade	32	46	68	100
Product code	12676HF	12677HF	12678HF	12679HF
Appearance, Visual	B&C	B&C	B&C	B&C
Density at 15 °C, g/ml, ASTM D4052	0.852	0.851	0.854	0.858
Kinematic Viscosity at 40 °C, mm ² /s, ASTM D445	32	46	68	100
Kinematic Viscosity at 100 °C, mm ² /s, ASTM D445	6.4	8.54	11.52	15.94
Viscosity Index, ASTM D2270	144	154	158	160
Flash Point(COCl), °C, ASTM D92	234	238	240	244
Pour Point, °C, ASTM D97	-57	-54	-54	-51
Copper Strip Corrosion, ASTM D 130, 3 hours @ 100°C	1B	1B	1B	1B
Demulsibility, ASTM D 1401, 82°C, minutes to 3ml Emulsion	20	20	20	20
FZG Gear Test, DIN 51534, Fail Stage	11	11	11	11

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



Packing : 5 | 20 | 25 | 208 L

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* supersedes all previous versions

Health and Safety: This lubricant, when used in accordance with our recommendations and for the application for which it is intended, does not constitute any special hazard. A safety data file conforming to the requirements of current EC legislation is available from your local trade consultant.