



ATLANTIC HYDRAULIC OILS HVI

High Viscosity Index Anti-Wear Hydraulic Oils

PRODUCT DATA

DESCRIPTION

ATLANTIC HYDRAULIC OIL HVI series are high performance anti-wear hydraulic oils specifically designed to meet the needs of modern, high pressure, industrial and mobile equipment hydraulic systems. The shear stable, high viscosity index allows for a wide operating temperature range maintaining maximum hydraulic efficiency and component protection at both low and high temperatures.

APPLICATIONS

ATLANTIC HYDRAULIC OIL HVI range is recommended for all kind of hydraulic systems operating under high pressure (limit as indicated by the pump manufacturer) and high temperature. Especially suitable for hydraulic systems working under extreme temperature variations and equipment operating outside: easy start up at low temperature and regular operating in all seasons: civil engineering, machine tools, agriculture, marine, transport and other industrial applications.

PROPERTIES

ATLANTIC HYDRAULIC OIL HVI provide outstanding hydraulic system efficiency; ultra-keep-clean performance, and a high degree of fluid durability. The hydraulic efficiency feature can lead to reduced energy consumption for both industrial and mobile equipment, reducing operating costs and improving productivity. Their excellent oxidation and thermal stability can help to extend oil and filter change intervals while helping to ensure clean systems. Their high level of anti-wear properties and excellent film strength characteristics result in a high degree of equipment protection that not only results in fewer breakdowns but helps improve production capacity.

PERFORMANCE FEATURES AND BENEFITS

- Very high viscosity index
- Excellent protection against rust and corrosion
- Good anti-foam and air release properties by using silicon free components
- Very low pour point
- Good demulsibility ensuring rapid water separation
- Remarkable filterability even in the presence of water
- High operating reliability
- Good shear stability
- Superior thermal stability avoiding the formation of sludge even at high temperature
- Very good oxidation stability ensuring a long service life of the fluid
- High protection against wear insuring maximum equipment life
- Excellent hydrolytic stability avoiding filter blocking

INDUSTRY SPECIFICATIONS:

International Standards : AFNOR NF E 48-603 HV, ISO 6743/4 HV, DIN 51524 P3 HVLP,

Swedish Standard (SS): 15 54 34 AM, ASTM: 6158-05 (HV fluids), GB: 111181-1-94 (HV fluids)

Meets or exceeds : VICKERS M-2950S, -I-286, DENISON HF0, HF1, HF2 (T6H20C), HUSKY HS 207,

Cincinnati Machine: P-68 (ISO 32), P-70 (ISO 46), P-69 (ISO 68)

TYPICAL TECHNICAL PROPERTIES						
ISO Viscosity Grade	15	22	32	46	68	100
Product code	12667HF	12668HF	12669HF	12670HF	12671HF	12672HF
Appearance Visual	B&C	B&C	B&C	B&C	B&C	B&C
Density at 15°C, g/ml, ASTM D4052	0.858	0.861	0.870	0.874	0.882	0.885
Kinematic Viscosity at 40°C, mm ² /s, ASTM D445	15	22	32	46	68	100
Kinematic Viscosity at 100°C, mm ² /s, ASTM D445	3.82	5.04	6.48	8.44	11.38	15.58
Viscosity Index, ASTM D2270	151	164	160	161	161	165
Flash Point(COCC), °C, ASTM D92	174	202	208	215	220	230
Pour Point, °C, ASTM D97	-42	-42	-39	-39	-36	-36
FZG 4-Square Load Support, DIN 51354, Fail Stage	-	-	10	11	11	-
Copper strip corrosion, 3 hrs @ 100°C, ASTM D130	1B	1B	1B	1B	1B	1B
Rust protection Proc B, ASTM D665	PASS	PASS	PASS	PASS	PASS	PASS

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.