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technical data sheet

Extreme Blue Anti-Wear Hydraulic Oils

Product Application:

Beacon Lubricants Extreme Blue Anti-Wear Hydraulic Oils are premium synthetic blend multi-viscosity high detergent heavy duty extended life hydraulic oils developed to exceed the requirements of modern high output hydraulic systems.

Beacon Lubricants Extreme Blue Anti-Wear Hydraulic Oils are designed to provide excellent oxidation, mechanical and thermal stability, allowing for extended life while mitigating oxidation varnish deposit formation. This high level of cleanliness provides the necessary medium for proper operation and functionality of critical hydraulic system components such as tight tolerance servo valves found in computer numerical controlled (CNC) equipment to proportional valves found in many modern hydraulic systems.

Extreme Blue Anti-Wear Hydraulic Oils is compounded with the latest exacting technology in additive structure and selective synthetic blended base stocks to ensure a shear stable, high viscosity index product that allows for operation over a wide and varied temperature range, maintaining maximum hydraulic efficiency and critical component protection from the entire climate spectrum.

Features and Advantages:

- *Superior low temperature flow capabilities
- *Ability to maintain proper viscosity at high temperatures
- *Excellent oxidation and rust protection
- *Excellent anti-foaming properties

Package Size:

Bulk, Drums, Pails

Meets or Exceeds the following Specifications

	0w-15	5w-20	5w-30	15w-40
Denison HF-0	x	x	x	x
Eaton Vickers 694	x	x	x	
Frank Mohn, Framo		x		
Hydraulic cargo pumping				
MAG IAS, LLC		x	x	
ORTLINGHAUS-WERKE GMBH ON		x	x	
9.2.10				
STROMAG AG TM-000			x	
327				



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Typical Characteristics:

ISO GRADE	0w-15	5w-20	5w-30	15w-40
Viscosity, ASTM D 445				
cSt @ 40 °C	32.0	46.0	68.0	110
cSt @ 100 °C	6.63	8.45	11.3	15.0
Viscosity Index, ASTM D 2270	165	164	160	126
Brookfield Viscosity ASTM D 2983, cP @ -20 °C	1090	1870	3390	9650
Brookfield Viscosity ASTM D 2983, cP @ -30 °C	3360	7060	16380	35050
Brookfield Viscosity ASTM D 2983, cP @ -40 °C	14240	55770		
Tapered Roller Bearing (CEC L-45- A-00), % Viscosity Loss	5	7	9	9
Density 15 °C, ASTM D 4052, kg/l	0.8468	0.8502	0.8626	0.8774
Copper Strip Corrosion, ASTM D 130, 3 hrs @ 100°C	1B	1B	1B	1B
FZG Gear Test, DIN 51354, Fail Stage	12	12	12	12
Pour Point, °C, ASTM D 97	-45	-40	-35	-20
Flash Point, °C, ASTM D 92	250	232	240	250
Foam Sequence I, II, III, ASTM D 892, ml	20/0	20/0	20/0	20/0
Dielectric Strength, kV, ASTM D877	49	41		

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