**Extreme Blue Anti-Wear Hydraulic Oils**

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| 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 it 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.

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| 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

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| Package Size: |

Bulk, Drums, Pails

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| 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

Brookefield 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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