



Beacon Hydraulic Anti-Wear HZ Oil

Product Application:

Beacon Lubricants Anti-Wear HZ Oils are premium performance technical grade extended life, high detergent anti-wear hydraulic oils designed for the most rigorous hydraulic applications of today's exacting equipment. They were developed to meet the stringent requirements of the most severe applications using high pressure; high output pumps as well as excelling in the critical requirements of close tolerance servo-valves and the ultra-high accuracy of computer numerical controlled (CNC) machine tools.

Anti-Wear HZ Oils are formulated with premium hydro-treated stable base stocks and the latest generation in additive systems that help provide protection against oxidative mechanical and thermal breakdowns that contribute to the formation of varnish.

Beacon Lubricants Hydraulic Anti-Wear HZ Oils are characterized by outstanding rust protection, low deposit formation, superior demulsibility, low air entrainment, excellent oxidation resistance, low pour points and good anti-foam properties.

Performance Credentials:

Parker Denison HF-0, HF-1, HF-2
Eaton Brochure 03-401-2010
MAGIAS P-68, P-69, P-70
US Steel 127 and 136
General Motors LH-03-2, LH-04-2, LH-06-2
DIN 51524 Parts 2 and 3
ISO 11158
Vickers M-2952-S
Racine Vane Pumps- Variable Volume
Sunstrand Hydrostatics
ASTM D6158-05

Features and Advantages:

- *Superior low flow temperature capabilities while maintaining viscosity at high temperatures
- *Excellent oxidation life, helping to extend life of oil and prevent varnish formation
- *High level of thermal stability, which helps minimize the formation of varnish
- *Excellent demulsibility, outstanding anti-wear system to protect system components
- *High level of rust and corrosion protection, extending component life, excellent filterability

Typical Characteristics:

ISO Grade	32	46	68	100
Gravity, Degrees API	30.1	28.5	29	28
Viscosity Index (Min.)	131	144	143	129
Viscosity				
cSt @ 100 °C	5.4	6.7	8.2	11
cSt @ 40 °C	32	46	67	98
Flash Point, °C ASTM D 92	212	226	234	242
Pour Point, °C ASTM D 97	-30	-25	-25	-15
Oxidation ASTM D943	10000	10000	10000	10000
Copper Strip Corrosion, ASTM D 130	1A	1A	1A	1A

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