



PRODUCT DATA SHEET

DAVID WEBER OIL CO.

601 Industrial Road · Carlstadt, NJ 07072 | 201.438.7333 phone | 201.438.3178 fax
www.weberoil.com

Gibraltar Longlife HZ-1000 AW Series

Longlife, High Zinc AW Hydraulic Fluids

Gibraltar Longlife HZ-1000 Series Fluids are exceptional quality anti-wear fluids designed for extended service life in industrial and off-road mobile hydraulic applications. They have high levels of anti-wear protection and specialty additives that deliver performance far beyond conventional AW fluids. Specifically designed to deliver service protection and oxidation stability up to 4X longer than competitor hydraulic oils, **Gibraltar Longlife HZ-1000 Series Fluids** are measurably superior.

Gibraltar Longlife HZ-1000 Series Fluids are built for severe service and rigorous duty cycles. They help inhibit leakage by actively conditioning seals and preventing them from reaching a dry and brittle state. Fortified with advanced oxidation inhibitors that work in conjunction with their anti-wear additive package, **Gibraltar Longlife HZ-1000 Series Fluids** can extend service intervals, the life of hydraulic system components, and increase production times by combating the effects of heat, moisture, and other fluid-killing contaminants.

Gibraltar Longlife HZ-1000 Series Fluids provide the following benefits:

- Very High Levels of AW Protection
- Excellent & Lasting Oxidative Stability
- Enhanced Rust & Corrosion Resistance
- Inhibit Leaks & Condition Seals
- Superior Water Contamination Control
- Excellent Water Separability
- Reduced Operational & Production Costs



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SPECIFICATIONS, APPROVALS & RECOMMENDATIONS

AIST 126 (US Steel)
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ANSI/AGMA 9005-E02-RO
ASTM D6158
Bosch Rexroth 90220 Type HLP
Cincinnati/Fives Machine P-68, P-69 & P-70
DIN 51524-2 HLP

Eaton I-286-S3 (Industrial Equipment), M-2950-S
(35VQ25 Pump Test)
GM LS-2
ISO 11158 HM, ISO 20763 Conestoga Pump Test
Parker (Denison) HF-0, HF-1 & HF-2, T6H20C Pump Test
SAE MS1004
SEB: 181222

TYPICAL PROPERTIES

ISO Grade	32	46	68
Specific Gravity, 15° C	0.871	0.873	0.878
Viscosity, cSt @ 40 °C	32	46	68
Viscosity, cSt @ 100 °C	5.5	6.9	8.6
Viscosity Index	105	105	107
Flash Point, COC, °C, max.	210	220	235
Pour Point, °C, min.	-32	-29	-29
Rust Test, A/B	Pass	Pass	Pass
Copper Corrosion	1A	1A	1A
TOST, hrs., min.	8,000	8,000	8,000
Demulsibility, mins. to 0 ml	15	15	15
Zn, ppm, min.	1000	1000	1000