



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 Multi-Vis HZ-1000-46

Longlife High Efficiency Hydraulic Fluid

Gibraltar Longlife Multi-Vis HZ-1000-46 is a synthetic blend, anti-wear hydraulic fluid specially formulated for high efficiency use in equipment where long service life and maximum protection are desired. Specifically suited to outdoor equipment such as excavators, cranes, and other equipment exposed to widely varied temperature ranges, it has an exceptionally high viscosity index and performs as a multi-grade fluid to ensure consistent hydraulic system performance.

Gibraltar Longlife Multi-Vis HZ-1000-46 provides exceptional protection and is enhanced with high levels of performance additives. It is thermally stable, has excellent oxidation stability, rust and corrosion protection, and is shear stable. **Gibraltar Longlife Multi-Vis HZ-1000-46** contains a synthetic polymer that helps maintain its viscometric properties over wide temperature ranges to provide high fluid efficiency that can provide up to 5% or more savings in fuel and efficient hydraulic system use.

Gibraltar Longlife Multi-Vis HZ-1000-46 provides the following benefits:

- Maintains viscosity for highly efficient use
- Up to 5% or more fuel savings/energy efficiency
- Maximum anti-wear protection
- Improves startup and warmup times
- Consistent hydraulic actuation/pump performance
- Lower operating temperatures
- Elimination of seasonal fluid changes
- Reduced operating and maintenance costs



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SPECIFICATIONS, APPROVALS & RECOMMENDATIONS

AFNOR E-48-603 (HV)
Denison HF-0, HF-2, HF-1
DIN 51524, Part III, HVLP
Fives Cincinnati P-68

ISO 11158 (L-HV)
Lee-Norse 100-1
US Steel 127, 136
Vickers I-2863, M-2950-S

TYPICAL PROPERTIES

ISO Grade	46
Specific Gravity, 15° C	0.850
Viscosity, cSt @ 40 °C	46.0
Viscosity, cSt @ 100 °C	8.45
Viscosity Index	162
Flash Point, COC, °C, max.	220
Pour Point, °C, min.	-44
Rust Test, A/B	Pass/Pass
Copper Corrosion	1A
Zn, ppm, min.	1000