



DURAGARD® IS A REGISTERED TM OF ADVANTAGE DIST. LLC, ROCH., MN 55904 Product Code: DURINDHZA46

DURAGARD®

INDUSTRIAL AW-46 HIGH ZINC HYDRAULIC OIL

ADVANCED TECHNOLOGY, PREMIUM LUBRICANTS

DURAGARD® DIAMOND PLATE® Industrial AW-46 High Zinc Hydraulic Oil is a premium quality, HVI-MV Group-II Hydro cracked anti-wear hydraulic oil designed to meet the requirements of fluid power / hydraulic systems. It is formulated with select 100% HVI-MV Group-II Hydro cracked clear base oils that provide superior low temperature fluidity and high temperature film strength that simply cannot be achieved using conventional mineral base oils. The formulation uses a proven anti-wear additive system that is effective in reducing wear in pumps. Duragard® Industrial High Zinc AW-46 also has excellent water separation, rust and corrosion prevention, oxidation stability, and anti-foam properties. The true multi-viscosity, broad temperature feature allows even and continuous power transmission over a wider temperature range with increased accuracy compared to single weight hydraulic oils.

DURAGARD® DIAMOND PLATE® Industrial AW-46 High Zinc Hydraulic Oil meets or exceeds the requirements and is suitable for use in Cincinnati/MAG IAS P-70, Parker Denison HF-0, HF-1 & HF-2, Sperry Vickers/Eaton I-286-S, M-2950-S, US Steel 127, 136, DIN 51524, Part 1,2,3, General Motors LS-2, JCMAS HK, and Bosch Rexroth

Customer Benefits with DURAGARD® DIAMOND PLATE PROTECTION®

- * Exceptional protection against wear from contaminants and higher operating temperatures and pressures ensures longer equipment life
- * Maintains viscosity, even under higher operating temperatures, and has sufficient reserve of key additives, resulting in longer fluid life and reduced operating costs
- * Reduced foaming ensures smooth, efficient operation and proper lubrication of all parts in the system

Product Containers Available:

Bulk * 55 gal. * 30 gal. * 5 gal. pails * 2.5 gal/2pk * 1 gal/4pk

Typical Physical Specifications:

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INSPECTION INFORMATION	TEST METHOD	TYPICAL VALUE
Gravity API	ASTM D287	31.5
Specific Gravity @60°F (15.6°C)	ASTM D4052	0.8681
Flash Point °C (°F)	ASTM D92	405 °C (207 °F)
Viscosity @ 40°C cSt	ASTM D445	43.93
Viscosity @ 100°C cSt	ASTM D445	7.72
Viscosity Index	ASTM D2270	146
Pour Point °C (°F)	ASTM D5950	-48 °C (-54 °F)
Color	ASTM D1500	0.5
Zinc, wt. %	ASTM D5185	0.926
Phosphorus, wt. %	ASTM D5185	0.0746
Calcium, wt. %	ASTM D5185	0.0068
Sulfur, wt. %	ASTM D4951	0.147
Oxidation Hours	ASTM D943	6000

Typical test data average values only, minor variations which do not affect product performance are to be expected during normal manufacturing.

READ ENTIRE SDS BULLETIN FOR HANDLING AND SAFETY INFORMATION

ADVANTAGE**Advantage Distributing and Lubricants, LLC**

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