



# DURAGARD®

## **100% SYN SHG-46 HZ HYDRAULIC & MILD EP GEAR OIL** **ADVANCED TECHNOLOGY, PREMIUM SYNTHETIC LUBRICANTS**

**DURAGARD® 100% SYNTHETIC SHG-46 HZ HYDRAULIC & MILD EP GEAR OIL** is formulated from premium polyalphaolefins (PAO), Very High Viscosity Index (VHVI), base oils with superior additive chemistry promoting anti-wear, rust and oxidation inhibition, and anti-foaming with excellent demulsibility in the presence of water. It has outstanding oxidative and thermal stability to help minimize deposit formation and promote long service life.

**DURAGARD® 100% SYNTHETIC SHG-46 HZ HYDRAULIC & MILD EP GEAR** is recommended for applications where outstanding performance is required in hydraulic systems, and gear and bearing recirculating systems operating under extreme temperature conditions, and in systems where stability and performance with long fluid life and reduced operating costs is desired.

### **Customer Benefits with DURAGARD® DIAMOND PLATE PROTECTION®**

- \* **Exceptional protection** against wear, rust, and oxidation.
- \* **Increased thermal and oxidative stability**, even under extreme operating temperatures, resulting in longer fluid life and reduced operating costs.
- \* **Excellent demulsibility** in the presence of water and provides foam resistance.
- \* **Exceeds** the performance requirements of the leading OEM hydraulic pump manufacturers.

### **Application Specifications:**

**DURAGARD® 100% SYNTHETIC SHG-46 HZ HYDRAULIC & MILD EP GEAR**  
**This product meets, or exceeds the requirements similar to the following manufacturers and global specifications:**

- \* Hydraulic Systems Operating Under Extreme Temperature Conditions
- \* Hydraulic Systems on Mobile Equipment, i.e. Dump Trucks, Motor Graders, Bulldozers, and Forklifts
- \* Hydraulic Presses, Shears, Jacks and Punches in Machine Shops
- \* Automated Machine Tools
- \* Chain Drives
- \* Plain and Rolling-Element Bearings used in Electric Motors
- \* Service Station Lifts
- \* Electrical Service Repair Trucks
- \* Compressors
- \* Vacuum Pumps
- \* Blowers
- \* Gear and bearing recirculating systems where a broad temperature range, mild EP long life 100% PAO synthetic fluid is required.

**Product Containers Available:**

Bulk \* 55 gal. drums \* 16 gal. kegs \* 5 gal. pails \* 2.5 gal/2pk

**Typical Physical Specifications:**

**ISO Grade 46**

Product Code: DURSHG46HZxx

INSPECTION INFORMATION	TEST METHOD	TYPICAL VALUE
Specific Gravity	ASTM D1298	0.86
Viscosity @ 40°C cSt	ASTM D445	46
Viscosity @ 100°C cSt	ASTM D445	8.54
Viscosity Index	ASTM D2270	154
Flash Point °C (°F)	ASTM D92	238 °C (460 °F)
Pour Point °C (°F)	ASTM D5950	-54°C (-65 °F)
Copper Corrosion 3 hours @ 100°C	ASTM D130	1B
Density 15°C, kg/L	ASTM D4052	0.8514
Brookfield Viscosity @ -18°C cP	ASTM D2983	1376
Rust Characteristics	ASTM D665B	Pass
FZG Gear Test, DIN 51364 Fail Stage		10
Foam Sequence I, II, III, ml	ASTM D892	50/0
Demulsibility, 54°C, minutes to 3ml emulsion	ASTM D1401	20

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**

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