



DURAGARD®

HI-TEK ULTRA HVI-46

HYDRAULIC FLUID

DURAGARD® HI-TEK ULTRA HVI-46 HYDRAULIC FLUID is a premium quality, HVI-MV blended mineral oil based hydraulic fluid with excellent low and multi-temperature characteristics that is capable of operating over a very wide operating temperature range, from arctic conditions to desert heat. This fluid contains a robust additive package to significantly improve oxidation resistance and special anti-wear additives to protect and prolong equipment life. The formulation uses a proven anti-wear additive system that is effective in reducing wear for high-pressure vane, piston and gear pumps. Meets OEM stringent requirements for severe conditions while improving pump and valve performance.

DURAGARD® HI-TEK ULTRA HVI-46 HYDRAULIC FLUID 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 and reduces torque. Suitable for use in hydraulic equipment operating in very cold conditions while maintaining excellent fluidity. Compatible with synthetic rubber components.

Customer Benefits:

- * Superior low and high temperature properties.
- * Compatibility with synthetic rubber components.
- * Excellent high pressure anti-wear properties.
- * Outstanding oxidation stability, reduced deposits, improved valve performance, resistance to filter plugging.
- * Meets OEM stringent requirements.

Product Code: DURHITEKULTHVI46

Product Containers Available:



2.5 gal.
2 pack



5 gal.



30 gal.



55 gal.



BULK
Limited area



BULK



www.duragardoil.com

Made in USA with domestic and imported products.

2020 © Copyright ADVANTAGE DIST., LLC All Rights Reserved

Diamond Plate Protection®

DURAGARD® IS A REGISTERED TM OF ADVANTAGE DIST. LLC, ROCH., MN 55904

Rev 09/2020 PG-1



Application Specifications:

This product meets, or exceeds the requirements similar to the following manufacturers and global specifications:

- * Control systems, where a product with a high viscosity index is required to prevent changes in torque.
- * Bucket trucks, cherry pickers, and other mobile equipment operating in cold temperature climates.

Cincinnati Milarcron P-38, P-55, and P-57	Meets Requirements
General Electric GEK 32568 Frame 7 and 107395	Meets Requirements
Siemens TLV 9012-04	Meets Requirements
Alstom HTGD 90-117	Meets Requirements
Solar Turbines ES9-224L	Meets Requirements
AGMA 9005-F16 R&O Inhibited	Meets Requirements
DIN 51515 Part 1	Meets Requirements

Typical Physical Specifications:

ISO 46

Product Code: DURHITEKULTHVI46

INSPECTION INFORMATION	TEST METHOD	TYPICAL VALUE
Specific Gravity @60°F (15.6°C)	ASTM D4052	0.864
Density, lb/gal		7.19
Viscosity @ 40°C cSt	ASTM D445	45.6
Viscosity @ 100°C cSt	ASTM D445	6.84
Viscosity Index	ASTM D2270	105
Flash Point °C (°F)	ASTM D92	230 (446 °F)
Pour Point °C (°F)	ASTM D5950	-30 °C (-33 °F)
Color	ASTM D1500	1.0
Copper Corrosion		1A
Total Acid Number		0.1
Rust Test, D665 A, B		Pass
Foam Test, Seq. I, II, III		Pass
Water Separation @ 130°F		40-40-0 (15)
Oxidation, D-943, hrs		10,000+

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

#1 In Customer Service And Technical Support

ADVANTAGE

Advantage Distributing and Lubricants, LLC

3434 Marion Rd SE
Rochester, MN 55904

1-800-420-1414 507-289-5555

INFO@ADVANTAGELUBES.COM