MOBIL HYDRAULIC HVI ULTRA™

Mobil Industrial , Kazakhstan

Hydraulic Oils

Product Description

Mobil Hydraulic HVI Ultra Series oils are extra high performance anti-wear hydraulic oils engineered for wide temperature range applications. They exhibit optimum flow characteristics at sub-zero temperatures and are resistant to shearing and viscosity loss so that system efficiency is maintained and internal pump leakage is minimized at high operating temperatures and pressures. These high quality hydraulic oils with controlled low-temperature flow properties also provide maximized anti-wear protection for high pressure vane, piston and gear pumps. They provide long oil/filter life and optimum equipment protection reducing both maintenance costs and product disposal costs. They were developed to meet the stringent requirements of severe hydraulic systems using high pressure, high output pumps. Their multi-metal compatibility properties allow their use with system components employing various alloys in their designs. Mobil Hydraulic HVI Ultra Series oils are uniquely designed for all hydraulic applications found in the mining industry where exposure to a broad range of ambient and operating conditions are encountered.

Features and Benefits

Mobil Hydraulic HVI Ultra Series oils have very good flow characteristics at low temperatures and good protection at elevated temperatures.

Features	Advantages and Potential Benefits
High Viscosity Index	Wide temperature range performance
	Assures equipment protection at cold startup temperatures
	Protects system components at high operating temperatures
Excellent corrosion protection	Prevents internal hydraulic system corrosion
	Reduces negative effects of moisture in systems
Exceptional anti-wear protection	Reduces wear
	Protects systems using various metallurgy
Outstanding oxidation stability	Provides long oil and equipment life
	Reduces sludge and deposit formation
	Extends filter life
Very good multi-metal compatibility	Assures excellent performance of various components
	Reduces requirements for additional products

Specifications and Approvals

This product meets or exceeds the requirements of:	MOBIL HYDRAULIC HVI ULTRA 32	MOBIL HYDRAULIC HVI ULTRA 46	MOBIL HYDRAULIC HVI ULTRA 68
DIN 51524-3:2017-06	X	X	X

Properties and Specifications

Property	MOBIL HYDRAULIC HVI ULTRA 32	MOBIL HYDRAULIC HVI ULTRA 46	MOBIL HYDRAULIC HVI ULTRA 68
Grade	ISO 32	ISO 46	ISO 68
Copper Corrosion, 3 Hrs @ 100 C, rating, GOST ISO 2160	1A	1A	1A
Foam, Sequence I, Stability, mL, GOST ISO 6247	0	0	0
Foam, Sequence I, Tendency, mL, GOST ISO 6247	0	0	0
Foam, Sequence II, Stability, mL, GOST ISO 6247	0	0	0
Foam, Sequence II, Tendency, mL, GOST ISO 6247	0	0	20
Foam, Sequence III, Stability, mL, GOST ISO 6247	0	0	0
Foam, Sequence III, Tendency, mL, GOST ISO 6247	0	0	0
Kinematic Viscosity @ 40 C, mm2/s, GOST 33	31.95	45.05	67.69
Pour Point, °C, GOST 20287	-38	-40	-34
Viscosity Index, GOST 25371	167	159	164
Water Separability, min, GOST ISO 6614	10	10	20
Zinc, mg/kg, ASTM D5185	431	442	457

Health and Safety

Health and Safety recommendations for this product can be found on the Material Safety Data Sheet (MSDS) @ http://www.msds.exxonmobil.com/psims/psims.aspx

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Typical Properties are typical of those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice. All products may not be available locally. For more information, contact your local ExxonMobil contact or visit www.exxonmobil.com

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