

ExxonMobil Univis HVI 13

Category : Fluid , Lubricant

Material Notes:

Exxon Univis HVI is a line of premium performance anti-wear hydraulic oils characterized by their unusually high viscosity indexes. They are engineered to maintain close viscosity control over wide temperature range applications. Because of their resistance to viscosity change, Univis HVI oils are recommended for hydraulic systems that are subject to wide temperature variations. Many of these systems are sensitive to changes in viscosity of the hydraulic oil, since they depend on uniform viscosity for hydraulic accuracy. They exhibit optimum flow characteristics at sub-zero temperatures and the oils 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 also provide very good anti-wear protection for high-pressure vane, piston and gear pumps. The Univis HVI oils are designed with excellent oxidation stability reducing deposit formation and improving pump and valve performance. They were developed in conjunction with the major OEMs to meet the stringent requirements of severe hydraulic systems using high pressure, high output pumps as well as handling the critical requirements of other hydraulic system components. Hydraulic systems critical to uniform hydraulic oil viscosity over a wide temperature range; Hydrostatic transmissions and dash pots; They can also be used in fine instruments and other mechanisms where power input is limited and increases in torque due to the lubricant thickening cannot be tolerated; To reduce deposit formation in equipment where close clearance servo-valves are used; Systems where cold startup and high operating temperatures are typical; Systems requiring a high degree of load-carrying capability and anti-wear protection; Applications where rust and corrosion protection are an asset such as systems where small amounts of water are unavoidable

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Univis-HVI-13.php

| Physical Properties | Metric | English | Comments |
|--------------------------------------|----------------------------------|----------------------------------|--------------------------------|
| Viscosity Measurement | 404 | 404 | Index; ASTM D2270 |
| Viscosity Measure | 371 cSt @Temperature -40.0 °C | 371 cSt @Temperature -40.0 °F | Kinematic Viscosity; ASTM D445 |
| Kinematic Viscosity at 40°C (104°F) | 13.5 cSt | 13.5 cSt | ASTM D445 |
| Kinematic Viscosity at 100°C (212°F) | 5.3 cSt | 5.3 cSt | ASTM D445 |

| Thermal Properties | Metric | English | Comments |
|--------------------|----------|----------|----------|
| Pour Point | -60.0 °C | -76.0 °F | ASTM D97 |
| Flash Point | 101 °C | 214 °F | ASTM D92 |

| Descriptive Properties | Value | Comments |
|------------------------|-------|---------------|
| Copper Strip Corrosion | 1A | 3 hrs @ 100°C |

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