Mobil

UNIVIS™ HVI

Industrial Mobil, Canada

High Viscosity Index Hydraulic Fluids

Product Description

UNIVIS™ HVI 13 and 26 have been formulated to provide outstanding viscosity control in applications where ambient temperature can vary widely, from very cold to warm. In addition to their wide operating range, these fluids provide excellent wear protection, potent rust and corrosion protection, rapid foam and air release and outstanding resistance to oxidation. These performance features help to provide the protection required to keep hydraulic systems operating more efficiently over a wide operating temperature range.

Features and Potential Benefits

UNIVIS HVI 13 and 26 are designed to deliver the following features and potential benefits:

Features	Advantages and Potential Benefits
High Viscosity index – wide operating temperature range	Outstanding fluidity for low temperature start-ups, improved viscosity protection for pump components operating at both at low and high temperatures
Effective foam control and air release	Rapid air release, which helps to protect components from cavitation, wear and excess heat
Outstanding oxidation stability	Helps keep components clean and free from sludges and varnishes that reduce hydraulic efficiency and operating life. Can help to extend oil life and reduce maintenance requirements
Excellent protection against rust and corrosion	Helps to improve component life and reduce failures associated with rust and corrosion damage to system components
Potent Anti-Wear protection	Components wear rates are reduced by anti-wear and this can lead to improved component life and reduced maintenance

Applications

- Stationary and mobile hydraulic systems operating in a wide range of ambient temperatures and

conditions, indoors and outdoors
- Systems where very reliable cold weather start-up is a critical requirement
- Operations where lubricant consolidation and simplification is required

Typical Properties

UNIVIS HVI	13	26
Kinematic Viscosity		
@40°C	13.5	25.8
@100°C	5.3	9.3
@-40°C	750	896
@-54°C	4400	-
Brookfield viscosity, ASTM D2983	1500	-
@-40°C		
Viscosity Index, ASTM D2270	404	375
Pour Point, °C, ASTM D97	<-66	-60
Flash Point, °C, ASTM D92	102	103

The values shown above are representative of current production. Some are controlled by manufacturing and performance specifications while others are not. All may vary within modest ranges.

Health and Safety

The products described on this data sheet are manufactured from high quality petroleum base stocks, carefully blended with selected additives. As with all petroleum products, good personal hygiene and careful handling should always be practiced. Avoid prolonged contact to skin, splashing into the eyes, ingestion or vapour inhalation. Please refer to the Material Safety Data Sheet for further information.

Note: The products described on this data sheet are NOT controlled under Canadian WHMIS legislation.

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Imperial Oil
Petroleum and Chemicals Division
Lubricants and Specialties
240 Fourth Ave SW

C. P. 2480, Station M
Calgary AB T2P 3 M 9

1-800-268-3183

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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