Mobil

UNIVIS™ EXTRA

Mobil Industrial , Canada

High Performance Multi-Grade Hydraulic Fluid

Product Description

UNIform **VIS**cosity; is an essential characteristic for All Season, Multi-Grade hydraulic fluids. Modern high performance hydraulic systems rely on fluids that can resist changes in viscosity, as operating temperatures rise and fall. This is particularly important for outdoor hydraulic systems on stationary and mobile equipment that operate in climates where ambient temperatures can vary widely. UNIVIS™ EXTRA takes All Season performance to a new level of quality and performance, by offering the operating range of a Multi-Grade ISO 22/32 lubricant in a shear stable, high performance hydraulic oil.

Features and Benefits

UNIVIS EXTRA is formulated with carefully selected base oils and a proprietary additive system, designed to provide well balanced performance in mobile and stationary hydraulic equipment. These properties can help to provide long oil life, reduced shear rate and minimized deposit formation in hydraulic systems operating in severe conditions, at high pressure and temperatures. Outstanding foam control and air release properties provide protection for hydraulic systems by helping to prevent cavitation damage and micro dieseling.

Features	Advantages and Potential Benefits
Stable, high-performance anti-wear additives	Helps reduce wear and protects pumps and components and extend equipment life
Excellent rust and oxidation control	Oil-wetted parts, ferrous and non-ferrous, are provided with enhanced protection from rust , corrosion and the effects of oxidation
High VI, offering the Multi-Grade performance of both an ISO 22 and ISO 32 fluid	Offers additional protection for the pump over a wider operating temperature range
Excellent shear stability for stay in grade performance	Enhanced to help provide the required oil film to protect parts, over a long service life.
Rapid air release and powerful foam control	Help to prevent destructive cavitation, aeration and resulting heat, and extend oil life
Good hydrolytic stability	Designed to resist the decomposition reaction caused by water, that can lead to the formati on of acidic and corrosive materials
Rapid Demulsification of water	Help to prevent corrosion, maintain viscosity control and extend equipment life
Good compatibility with elastomers and seals	Long seal life and reduced maintenance

Applications

- Industrial and mobile equipment hydraulic systems operating at high pressures and temperatures in critical applications, indoors and outdoors
- Systems where a Multi-Grade hydraulic oil can simplify oil selection, improve low temperature performance and have enough viscosity to operate in warmer ambient conditions
- Systems requiring a high degree of foam control, rust and corrosion protection, load-carrying capability and anti-wear protection

Please contact your Imperial Oil representative for help in selecting the correct grade of hydraulic oil for your equipment.

Typical Properties

	UNIVIS EXTRA
Viscosity cSt @ 40°C @ 100°C	 32.8 7.6
Viscosity Index	213

	UNIVIS EXTRA
Brookfield Viscosity, @-40°C, cP	9300
Pour Point °C	-50
Flash Point, COC °C	170
Rust Inhibition Characteristics, 24hrs. @ 60°C (synthetic sea water)	pass
Demulsibility, after 30 minutes oil/water/emulsion (mL)	40-40-0

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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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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