



MOBIL UNIVIS N PLUS

Mobil Industrial , 中国

High Viscosity Index Hydraulic Fluids

Product Description

Mobil Univis N Plus Series is the high performance anti-wear hydraulic oils designed to satisfy a wide range of hydraulic equipment requirements. The products exhibit high viscosity indexes contributing to their excellent low and high temperature properties making them an excellent choice for equipment that is subjected to a wide range of start-up and operating temperatures. Mobil Univis N Plus Series is formulated with good shear stability allowing it could be used in high-pressure high-temperature operating environments for extended periods of time. It provides long oil/filter life and optimum equipment protection reducing both maintenance costs and product disposal costs. Mobil Univis N Plus Series is formulated with selected high-quality base oils and a carefully selected additive system that provide excellent anti-wear properties, rust and corrosion protection, excellent demulsibility, oxidation resistance, good anti-foam and fast air release properties. It is designed to work with systems operating under moderate conditions where high levels of anti-wear protection are needed.

Features and Benefits

The use of the Mobil Univis N Plus Series hydraulic oil can result in less wear and corrosion. This results in longer running periods and lower maintenance costs. The excellent oxidation and thermal stability safely allow extended life capability while controlling sludge and deposit formation. Mobil Univis N Plus Series has excellent flow characteristics at low temperatures and good protection at elevated temperatures.

- High viscosity index and good shear stability maintain excellent viscosity characteristics for long periods of time
- Low pour points sustains excellent fluidity conditions at low temperatures
- High performance and smooth hydraulic operations derived from fast air release, very good foam control and good water separability
- Exceptional corrosion protection reduces the negative effects of moisture on system components
- Effective oxidation and thermal stability characteristics reduce deposits and improve valve performance

Applications

- Mobil Univis N Plus Series can be used in a wide variety of industrial, mobile and marine applications, e.g excevator, Aerial Work Platform (AWP), Forklift, etc.
- Systems where low start-up and high operating temperatures are typical
- Hydraulic systems requiring anti-wear oils
- Systems containing gears and bearings where mild anti-wear characteristics are desirable
- Systems requiring a high degree of load-carrying capability and anti-wear protection
- Applications where moisture is present and good corrosion protection is an asset
- Machines employing a wide range of components using various metallurgy in their designs

Specifications and Approvals

This product is recommended for use in applications requiring:	MOBIL UNIVIS N PLUS 32	MOBIL UNIVIS N PLUS 46
Eaton I-286-S	X	X
Eaton M-2950-S	X	X

This product meets or exceeds the requirements of:		
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This product meets or exceeds the requirements of:		
China GB 11118.1-2011, L-HM(General)	X	X
China GB 11118.1-2011, L-HV	X	X
DIN 51524-3:2017-06	X	X
ISO L-HV (ISO 11158:2023)	X	X

Properties and Specifications

Property	MOBIL UNIVIS N PLUS 32	MOBIL UNIVIS N PLUS 46
Grade	ISO VG 32	ISO VG 46
Brookfield Viscosity @ -20 C, mPa.s, ASTM D2983	1470	2580
Copper Strip Corrosion, 3 h, 100 C, Rating, ASTM D130	1a	1A
Emulsion, Time to 3 mL Emulsion, 54 C, min, ASTM D1401	10	10
Flash Point, Cleveland Open Cup, °C, ASTM D92	200	230
Kinematic Viscosity @ 40 C, mm ² /s, ASTM D445	32	46
Pour Point, °C, ASTM D97	-48	-45
Rust Characteristics, Procedure B, ASTM D665	Pass	PASS
Viscosity Index, ASTM D2270	177	162

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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