

Rando[®] WM 32

High Performance Wind Turbine Hydraulic Fluid



Product description

Rando[®] WM 32 is a high performance multigrade hydraulic fluid designed for use in both wind turbine systems and a wide range of other applications where optimum protection is required under severe operating conditions.

Customer benefits and product features

Customer benefits

- Long service life
- Thermal stability helps minimize oil degradation and deposit formation, promotes oil service life and drain intervals.
- Helps protect equipment
- Good anti-wear performance and corrosion resistance promotes increased system uptime and reduced maintenance costs. Reliable filterability in the presence of water helps reduce maintenance time and costs.
- Low temperature pumpability
- Low pour point offers optimum pumpability, component lubrication and protection in low temperature start-ups.
- Hydraulic system efficiency
- Shear stable with very high viscosity index designed to provide optimum efficiency at high operating temperatures, thus increasing operating temperature range.

Product features

- Rando[®] WM 32 hydraulic fluid is formulated with reliable low temperature fluidity and a high viscosity index (VI) offering a wide operating temperature window.

Applications

Recommended by Chevron for use in:

- Wind turbines
- High pressure hydraulic systems operating across a wide ambient and operating temperature range
- Suitable for use with gear, vane, radial and axial piston pumps

Product approvals, performance and recommendations

Rando[®] WM 32 are approved against:

- Vestas Wind Systems 0000-2843
- Vickers M-2950S, I-286

Consult OEM representatives for independent verification, updates and recommendations.

Rando[®] WM 32 is independently developed by Chevron to meet the requirements of various industry standards, including:

- ISO 6743 HV
- DIN 51524 Part 3, HVL P
- Swiss Standard SS15 54 34
- Swiss Standard SMR 1996-2

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Typical test data

RANDO WM 32 KEY PROPERTIES	RESULTS
ISO Grade	32
Product Code	520218
Density at 15 °C	0.8910
Flash Point, °C	172
FZG Damaged, Load,A/8.3/9	11
Pour Point, °C	-45
Hours to TAN 2.0 mgKOH/g	2000+
TAN, mgKOH/g	0.45
Kinematic viscosity,	
- mm ² /s @ 40°C	32.0
- mm ² /s @ 100°C	7.41
Viscosity Index	211

This bulletin was prepared in good faith from the best information available at the time of issue. While the values and characteristics are considered representative, some variation, not affecting performance, can be expected. It is the responsibility of the user to ensure that the products are used in the applications for which they are intended. Produced by Chevron Global Lubricants: Asia Pacific.

ENVIRONMENT, HEALTH and SAFETY. Information is available on this product in the Material Safety Data Sheet (MSDS) and Customer Safety Guide. Customers are encouraged to review this information, follow precautions and comply with laws and regulations concerning product use and disposal. To obtain a MSDS for this product, visit the [Product Information Center](#).

This Product Data Sheet (PDS) was produced for the Asia Pacific region based on the best available information at the time of issue. The specific information included may not directly reflect the market or conditions, and may vary. For the most up-to-date, country-specific information, please contact your local customer service center.

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