



# Rando® HDZ LT

High durability heavy-duty all-temperature hydraulic fluids

Product Data Sheet

## Customer benefits

- **Wide temperature application**

Designed to deliver advanced multi-grade performance, minimizing change in viscosity across temperatures allowing use over a wide temperature operating window. Leading edge fluids in this range deliver excellent low pour point performance, maximising fluidity and system protection across the extremes of temperature.

- **Equipment Life Extension**

This robust and highly reliable wear and oxidation protection provides a significantly extended service life to all types of hydraulic system, in a very wide range of applications, and in a wide spectrum of temperatures and climatic conditions.

- **Equipment Protection**

This leading-edge wear protection is combined with supplemental rust and corrosion inhibitor technologies, and high-performance foam suppression additives, designed to optimize system protection against deposit formation or air entrainment.

- **Optimizing Operation**

Highly durable wear protection additives deliver optimised surface protection to all types of system, including high pressure, high speed vane and gear pumps and maximise protection in mixed metallurgy systems, such as axial systems, where bronze, steel and silver plated components may be present.

## Applications

- Hydraulic equipments subjected to wide variation in operating temperatures
- High Performance Heavy Duty Hydraulic System
- Hydraulic systems operating at high speed and pressure for vane and gear pump
- Suitable for axial piston pump application
- Excellent compatibility with bronze, steel and silver plated components

Always confirm that the product selected is consistent with the original equipment manufacturer's recommendation for the equipment operating conditions and customer's maintenance practices.

## Product features:

- **Rando® HDZ LT delivers high performance protection and extended service life to high speed, high pressure hydraulic pumps operating in the most extreme conditions, across a wide range of climatic conditions, including very low temperatures.**

A Chevron company product



## Performance standards

Rando® HDZ LT are approved against:

- DIN 51524 part 2 HLP and part 3 HVLP
- Swedish Standard SS 15 15 34

Rando® HDZ LT meets the requirements of:

- Denison HF-O (severe duty axial piston and vane pump service)
- Vickers M-2950-S (mobile hydraulic systems)
- Cincinnati Milacron P-68, P-69 and P-70 (machine tool)
- US Steel 127

## Product specifications

RANDO® HDZ LT KEY PROPERTIES	RESULTS
Viscosity Grade	32
Product Code	520247
Appearance	Bright and Clear
Kinematic viscosity, mm <sup>2</sup> /s @ 40°C	32
mm <sup>2</sup> /s @ 100°C	7.25
Viscosity Index	200
Flash Point COC, °C	160
Pour Point, °C	-42
Density, 15°C, kg/l	0.8372
FZG Damaged Load, A/8.3/90	11

The information given in the typical data does not constitute a specification but is an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved. This supersedes all previous editions and information contained in them.

**Disclaimer** Chevron accepts no liability for any loss or damage suffered as a result of using this product for any application other than applications specifically stated in any Product Data Sheets.

**Health, safety, storage and environmental** Based on current available information, this product is not expected to produce adverse effects on health when used for the intended application and in accordance with the recommendations provided in the Material Safety Data Sheet (MSDS). MSDSs are available upon request through your local sales office, or via the Internet. This product should not be used for purposes other than its intended use. When disposing of used product, take care to protect the environment and follow local legislation.

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