

Rando® HDZ LT

High Durability Heavy-Duty All-Temperature Hydraulic Fluids



Product description

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.

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.

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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

Approvals, performance and recommendations

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

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Typical test data

RANDO® HDZ LT	RESULTS
Viscosity Grade	32
Product Code	520247
Appearance	Bright and Clear
Viscosity, Kinematic	
mm ² /s at 40°C	32
mm ² /s at 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

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.

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Chevron company product

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