



FLUID ZF SERIES

High Performance Zinc Free Hydraulic Oils

Product Overview

FLUID ZF are high performance ashless hydraulic fluids formulated to provide high temperature anti-oxidation performance and system protection in heavy-duty, high pressure systems.

FLUID ZF are suitable for use in a wide range of heavy-duty applications, especially for earthmoving equipment.

Benefits

- Outstanding EP Capabilities
- Excellent rust and corrosion protection
- Excellent Oxidation Stability
- Superior demulsibility and anti-foam characteristics
- Prevent system sludge and varnish deposits
- Suitable for a wide range of equipment
- Extended draining period

Applications

- All types of high-pressure hydraulic systems, with gear, vane, radial piston and axial piston pumps
- Hydraulic systems of excavators, cranes and hydrostatic drives subjected to most severe outdoor operating conditions
- Hydraulic press, pumps and enclosed circulating oil systems
- Systems with components using a variety of materials

Health and Safety

This lubricant is unlikely to produce any significant health or safety hazard when used in the application it has been designed for and according to the recommendations provided in the Material Safety Data Sheet. MSDS are available upon request through your sales advisor.

When disposing of used oil, please observe all current regulations and protect the environment.

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Meets or exceeds the following industry Specifications

Grade	32	46	68	100
ISO 6743 Part 4 HM	✓	✓	✓	✓
DIN 51524 Part 2	✓	✓	✓	✓
SEB 181 222	✓	✓	✓	✓
Thyssen TH-N 256-142	✓	✓	✓	✓
U.S Steel 127	✓	✓	✓	✓

Typical properties

Test parameters	Method				
Viscosity @ 40 °C, cSt	ASTM D 445	32	46	68	100
Viscosity @ 100 °C, cSt	ASTM D 445	5.4	6.7	8.7	11.1
Viscosity Index	ASTM D 2270	>95	>95	>95	>95
Flash Point, °C	ASTM D 92	230	238	240	240
Pour Point, °C	ASTM D 97	-15	-15	-15	-15
Density @ 15 °C, Kg/m3	ASTM D 1298	863	868	871	877

Above characteristics are mean values given as information. They do not constitute a specification.