

ZINC FREE ANTI-WEAR Hydraulic Oils

Description

Zinc Free Anti-wear Hydraulic Oils are non-zinc products designed to provide extended hydraulic pump life in high pressure conditions. They are formulated with an ashless anti-wear additive package that exceeds the performance requirements of major hydraulic manufacturers.

The zinc-free nature of **Zinc Free Anti-wear Hydraulic Oils** provides not only performance and reliability advantages, it also demonstrates significant environmental benefits where there is a possibility of process water contamination by the hydraulic fluid.

Zinc Free Anti-wear Hydraulic Oils have been specifically formulated to meet or exceed the requirements of all conventional and high-output industrial and mobile hydraulic systems.

Features/Benefits

- ✓ **Excellent Filterability**
- ✓ **Superior Anti-wear Protection**
- ✓ **Exceptional Water Separation**
- ✓ **Excellent Hydrolytic and Thermal Stability**
- ✓ **Resists Foaming in Service**
- ✓ **Superior Rust Protection**
- ✓ **Reduced Effluent Treatment Costs**
- ✓ **Lower Toxicity**

Meets the performance requirements of:

- ✓ Denison
- ✓ Vickers I-286-S, M-2950-S
- ✓ Cincinnati Milacron
- ✓ U.S. Steel 126, 127, 136
- ✓ General Motors LS-2

Typical Properties

Properties	Zinc Free 32	Zinc Free 46	Zinc Free 68
Product Number	201	209	
ISO Grade	32	46	68
API Gravity @ 60°F	30.8	29.7	28.8
Viscosity @ 40°C, cSt	32	46	68
Viscosity @ 100°C, cSt	5.4	6.8	8.8
Viscosity @ 104°F, SUS (ref)	150	214	315
Viscosity @ 212°F, SUS (ref)	44	48	55
Viscosity Index, min	95	95	102
Pour Point °F, typ	-20	-15	-5
Color, ASTM	1.5	1.5	1.5
Cincinnati Milacron	P-68	P-70	P-69
DIN 51524 Part 2	HLP 32	HLP 46	HLP 68