



## ZINC FREE ANTIWEAR HYDRAULIC OIL

**Product Description:** ZINC FREE ANTIWEAR HYDRAULIC OILS are manufactured from high VI paraffin base oil fortified with anti-wear, corrosion, oxidation, and foam inhibitor to provide maximum protection to motors and hydraulic systems. ZINC FREE ANTIWEAR HYDRAULIC OIL contains a unique combination of phosphorus, sulfur, anti-wear and friction modifying chemical components as well as a combination of metal passivator, demulsifiers, rust inhibitor and defoamer for longer fluid life.

### Features:

- Versatile, premium oil for many applications.
- Oxidation inhibitor prevents oil from thickening
- Protects against wear & scuffing in hydraulic pumps.
- Minimum stray mist used in airline lubricators.
- Protects against rust and corrosion.
- Foam inhibited to prevent pump cavitation.
- Superior demulsibility characteristics.

### Typical Uses:

- Recommended for vane, gear, and piston type hydraulic pumps operating over 1000psi.
- Also recommended for hydraulic pumps operating at lower than 1000psi.
- Widely used in machine tools, presses, die casting equipment, plastic injection molding machines, circulating systems and hydraulic control systems.
- Used in lubrication of plain and anti-friction bearings, lubricators, reciprocating air compressors, and moderately loaded gear sets.
- Meets all major hydraulic pump manufacturers; Vickers, Oilgear, Pesco, DeLaval, Denison, Racine, Hydreco, Sunstrand, Dynex, John Barnes & Bellows, & Valvair.

### Typical Specifications:

GRADE, ISO	22	32	46	68
Gravity °API	32.8	31.8	31.0	30.3
Flash Point, °F.	365	375	395	425
Fire Point, °F.	410	420	440	470
Pour Point, °F.	0	0	+5	+5
Viscosity:				
SUS @ 100° F.	115	165.2	237	352
SUS @ 210° F.	40.8	44.2	48.8	55.3
cSt. @ 40° C.	22	32	46	68
cSt. @ 100° C.	4.32	5.36	6.74	8.62
Viscosity Index	102	99	99	97
Color, D-1500	1.5	2.0	2.0	2.5

CONTAINS ADVANCED HIGH PERFORMANCE ADDITIVE CHEMISTRY.  
OTHER ISO GRADES AVAILABLE.  
VALUES SHOWN HERE ARE TYPICAL AND MAY VARY.