

## JICHUAN ZINC FREE AW HYDRAULIC OILS

### ZINC FREE PREMIUM AW HYDRAULIC OILS

#### PRODUCT DESCRIPTION:

JICHUAN ZINC FREE AW 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. JICHUAN ZINC FREE AW contains a unique combination of phosphorus, sulfur, antiwear and friction modifying chemical components as well as a combination of metal passivator, demulsifiers, rust inhibitor and defoamer for longer fluid life.

#### TYPICAL USES:

- Recommended for vane, gear, and piston type hydraulic pumps operating over 1000 PSI.
- Also recommended for hydraulic pumps operating at lower than 1000 PSI.
- 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.

#### FEATURES:

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

#### Performance Requirements:

- Vickers I-286-S, M-2950-S
- Hagglunds-Denison HF-1, HF-2, HF-0
- Cincinnati Milacron P-68, P-69, P-70
- DIN 51524 Part 2
- Racine, Variable Volume Vane Pumps



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- AFNOR NFE 48-603HM
- Lee-Norse 100-1
- Jeffrey No. 87
- Ford M-6C32
- B.F. Goodrich 0152
- General Motors HL-04-1, HL-06-1, LH-15-1

## TYPICAL INSPECTIONS

GRADE,ISO	22	32	46	68	100	150	220
GRAVITY,°API	32.8	31.8	31.0	30.3	29.0	27.7	26.7
FLASHPOINT,°F.	365	375	395	425	440	465	475
FIREPOINT,°F.	410	420	440	470	485	510	520
POURPOINT,°F.	0	0	+5	+5	10	15	15
VISCOSITY:							
SUS@100°F.	115	165.2	237	352	522	789	1165
SUS@210°F.	40.8	44.2	48.8	55.3	64.1	78.1	95
cSt@40°C.	22	32	46	68	100	150	220
cSt@100°C.	4.32	5.36	6.74	8.62	11.06	14.6	18.6
VISCOSITYINDEX	102	99	99	97	95	95	94
COLOR,D-1500	1.5	2.0	2.0	2.5	3.5	4.0	4.0

Contains advanced high performance additive chemistry  
VALUES SHOWN HERE ARE TYPICAL AND MAY VARY  
OTHER ISO GRADES AVAILABLE

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