



MACHINE / HYDRAULIC

DATAFILE

MAXIM PREMIUM ANTI-WEAR HYDRAULIC OILS

MAXIM Premium Anti-Wear Hydraulic Oils are designed to meet the most stringent requirements of most major manufacturers and users of hydraulic equipment. The five grades meet the viscosity requirements of essentially all hydraulic systems. Maxim hydraulic oils are effective in reducing vane and gear pump wear in systems operating at high loads, speeds and temperatures. Its specialized additive makeup also allows the use of Maxim hydraulic oils in severe service hydraulic systems employing axial and radial piston pumps. Maxim premium anti-wear hydraulic oils provide extended oxidation protection.

MAXIM hydraulic oils are characterized by outstanding oxidation resistance and corrosion protection; excellent thermal and hydrolytic stability, low pour points, foam resistance and the demulsibility required in fluids used in modern high pressure hydraulic systems. They are non-corrosive to metal alloys, except those containing silver and are fully compatible with common seal materials. For Zinc free (ashless) anti-wear hydraulic oils, please ask for our ZF Anti-Wear oils, also in common ISO grades.

TYPICAL PROPERTIES

Item Number	01030	01032	01034	01036	01037
Viscosity Grade (ISO)	32	46	68	100	150
Gravity, API ASTM (D-1298)	32.0	31.0	30.7	29.6	28.8
Viscosity, cSt @ 40C (D-445)	33.0	47.2	71.2	106.8	161.8
cSt @ 100C (D-445)	5.8	6.7	8.78	10.22	14.26
Viscosity, SUS @ 100F (D-2161)	155	220	330	490	745
SUS @ 210F (D-2161)	45	48	55	64	79
Viscosity Index	103	103	103	98	97
Pour Point, °F	-30	-30	-30	-15	-10
Flash Point, °F, OC (>)	400	450	450	450	450
Color, ASTM (D1500)	1.0	1.0	1.5	2.0	2.0
Demulsibility, (D1401) 40-40-0	pass	pass	pass	---	---
Oxidation, (D 943) Hrs to 2.0 TAN	6000+	6000+	6000+	6000+	6000+
TAN @ 1000 Hrs. ASTM (D 4310)	.3	.3	.3	.3	.3
Corrosion Test, ASTM (D 665B)	----- Pass -----				
Hydrolytic Stability, (D 2619)					
Cu mass loss mg/cm ² :	.15	.15	.15	.15	.15
Acidity of water layer :	----- Basic -----				

Typical properties are approximate values only. Minor variations which do not affect product performance are to be expected in normal manufacturing.



MAXIM Premium Anti-Wear Hydraulic Oils

MAXIM Premium Anti-Wear Hydraulic Oils are formulated in suitable viscosity grades to meet or exceed the requirements for industrial and mobile hydraulic systems which call for:

- + EATON-Vickers- 35VQ25A for M 2950-S,
I-256-5 (ISO 32,46,68)
- + Meets DIN 51524, Part II
- + ISO 6743/4 Cat4 L-HM
- + Bosch Rexworth (ISO 32,46,68)
- + Sauer-Sunstrand
- + U.S. Steel 127, 136
- + GM LS-2, LH for Anti-Wear Hydraulic fluids.
(ISO 32,46,68)
- + Cincinnati Machine P-68, P-69, P-70
- + Parker(Denison) HF-0 / T6C, HF-2 (ISO 32,46,68)
- + Racine Model S
- + ANFOR NFE 48-603

Packaging-

MAXIM Premium Anti-Wear Hydraulic Oils are available in 55 gallon steel drums, totes and bulk quantities.

D.O.T. ID.: PETROLEUM PRODUCTS,
CLASS 65 NMFC155250
(NOT D.O.T. REGULATED)

Per OSHA Std. 29 CFR 1910.1200: Read and
understand the Material Safety Data Sheet before
handling or disposing of this material.

HMIS	
Health	1
Flammability	1
Reactivity	0
Personal Protection	⌘

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