

Eastern Premium Hydraulic Oils

ISO VG 32, 46, 68, 100, 150



Eastern Premium Hydraulic Oils are high-quality anti-wear oils developed for use in a wide variety of industrial and mobile hydraulic system applications. Eastern Premium offers proven anti-wear performance, superior filterability, thermal, oxidation, and hydrolytic stability. Excellent air release and anti-foam properties with good water separation are proven characteristics found in Eastern Premium hydraulic oils.



Features & Benefits

- Wear Protection
- Oxidation Resistance
- Thermal Stability
- Good Water Separation
- Rust & Corrosion Protection
- Outstanding Filterability
- Excellent Air Separation Characteristics

Specifications & Approvals

- Denison HF-0
- Cincinnati Machine P-68, P-69, P-70
- US Steel 127 & US Steel 136
- GM LS-2
- AFNOR NFE 48-603
- DIN 51524 Part II
- Sauer-Sunstrand
- Eaton/Vickers M-2950-S, I-286-S

Typical Properties

ISO Grade	22	32	46	68	100	150
API Gravity	33.4	31.5	30.9	30.5	29.9	28.6
Kinematic Viscosity, cSt @ 40C	22	32	46	68	100	150
Kinematic Viscosity, cSt @ 100C	4.3	5.4	6.8	8.7	11.1	14.7
Kinematic Viscosity, SUS @ 100F	115	160	237	353	523	785
Kinematic Viscosity, SUS @ 210F	41	45	49	56	64	79
Viscosity Index, calculated	100	100	100	100	100	97
Pour Point C	-18	-18	-18	-18	-15	-12
Flash Point F	420	430	440	450	500	525
Copper Corrosion, D-130	1a	1a	1a	1a	1a	1a
Demulsibility, D-1401						
minutes to pass	10	10	15	15	15	15
Foam Test, D-892	Pass	Pass	Pass	Pass	Pass	Pass
Oxidation Stability, D-943						
hours to 2.0 tan	6000+	6000+	6000+	6000+	3200	3200
Rust Test, D-665 A&B	Pass	Pass	Pass	Pass	Pass	Pass
Denison T6C Vane Pump						
Dry Phase	Pass	Pass	Pass	Pass	Pass	Pass
Wet Phase	Pass	Pass	Pass	Pass	Pass	Pass
Vane Pump, 35VQ25	Pass	Pass	Pass	Pass	Pass	Pass
Four Ball Wear, Scar, mm, D-4172						
40kg, 1800rpm, 1hr, 130F	0.58	0.58	0.58	0.58	0.55	0.55
FZG, Damaging Stage, D-5182	11	11	11	11	11	11

Health & Safety Information

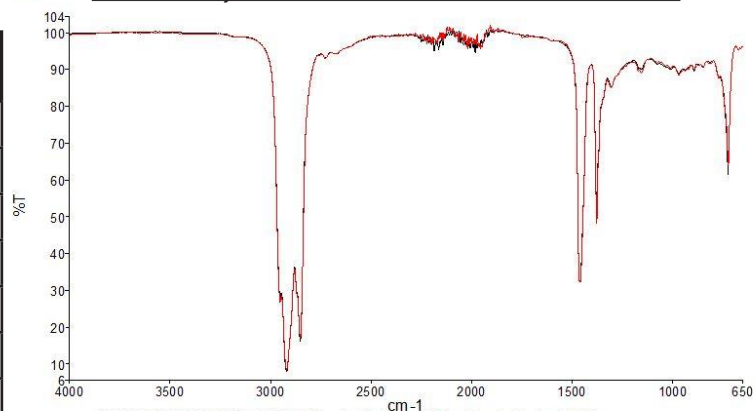
For recommendations on safe handling and use of this product, please refer to the Safety Data Sheet.

Typical properties are average values only and do not constitute a specification. Minor variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. Product formulations are subject to change without notification.

vs. National Brand

	National Brand	Eastern Premium
Group II Virgin Base Stock	Maybe	Yes
Anti-Wear	Yes	Yes
Rust & Corrosion Inhibitors	Yes	Yes
Oxidation & Thermal Resistant	Yes	Yes
Zinc	Yes	Yes
Hydrolytic Stability	Maybe	Yes
Anti-Foam	Yes - Most	Yes

FTIR Overlay of National Brand vs. Eastern Premium



FTIR Scans:

— Eastern Premium — National Brand