

RILCO AW32

RILCO AW32 Hydraulic Oil is a high Viscosity Index, anti-wear hydraulic oil blended from superior quality base stocks. **RILCO AW32 Hydraulic Oil** is available in 4 viscosity grades to comply with most industrial applications. All grades are formulated according to the ISO viscosity grade classifications.

FEATURES

RILCO AW32 Hydraulic Oil contain additive systems which impart characteristics most desired in these types of oils:

- **Excellent thermal stability - RILCO AW32 Hydraulic Oils contain the latest thermally stable zinc type additives, virtually eliminating the formation of heat-related sludging in electro-hydraulic servos associated with conventional zinc-type oils.**
- **Excellent rust protection**
- **Excellent anti-wear protection to pumps, motors, valves, and other hydraulic circuit components.**
- **Excellent antifoam protection**
- **Excellent hydraulic stability in the presence of water will not contribute to the formation of corrosive reactants or metal-etching acids.**
- **Excellent Dielectric Strength; >35kV**

APPLICATIONS

RILCO AW32 Hydraulic Oil may be recommended for applications when a premium quality, antiwear hydraulic oil is required by equipment manufacturers. The oils meet the rigorous performance requirements including Denison HF-O and HF-2, Cincinnati Milacron P-68, P-69, and P-70, Vickers M-2950-S and 1-286-S. Passes Vickers 35VQ25 Pump Test.

RILCO AW32 Hydraulic Oil is recommended for use in Bucket Trucks (Cherry Pickers), Cranes, Aerial lifts and other mobile equipment where High Dielectric strength is required. **RILCO AW32 Hydraulic Oil** is formulated to meet or exceed ASTM D877 Dielectric strength requirements of >35 kV as manufactured. Coupled with excellent oxidation and thermal stability properties this makes for an excellent hydraulic oil where electrical insulation is needed.

RILCO AW32 Hydraulic Oil provides excellent vane pump wear and protection. Extremely low pump part weight losses were encountered in the ASTM-D-2882 Vane Pump Wear Tests. Piston pump performance is also outstanding. No evidence of wear or distress observed at the end of the 100 hour (500psi) Denison P-46 Axial Piston Pump Test.

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CHEMICAL PROPERTIES

ISO VISCOSITY GRADE	22	32	46	68	100
Visc. @ 40°C, cSt	22.59	30	42.7	62.9	96.0
Viscosity @ 100°C, cSt	4.48	5.26	6.57	8.43	11.0
Viscosity, SUS @ 210°F	36.6	43.9	48.2	54.6	64
Viscosity Index	110	106	105	104	99
API Gravity	34.17	31.2	30.4	29.7	29
Pour Point: °C	-36	-36	-33	-30	-21
Dielectric Strength, kV ASTM D877	na	>35	>35	>35	na
Color (ASTM-D1500)	0.5	0.5	1.0	1.5	1.5
Oxidation (ASTM-D943)	4000+	5000	5000	5000	3500
Total Acid # (ASTM-D974)	0.50	0.50	0.50	0.50	0.50
(ASTM-D665A)	PASS	PASS	PASS	PASS	PASS
(ASTM-D665B)	PASS	PASS	PASS	PASS	PASS