



Premium AW Hydraulic Fluid

Bel-Ray® Premium AW Hydraulic Fluid is a special hydraulic fluid formulated from highly-refined base stocks and an advanced additive system to deliver ultimate equipment protection with extended service intervals. Bel-Ray® Premium AW Hydraulic Fluid delivers optimum fluid performance over a wide-range of operating temperatures and conditions. It also exhibits excellent demulsification (water separation) properties, even at high operating temperatures and operating pressures.

EQUIPMENT BENEFITS

- Ultimate wear protection for critical system components
- Ultimate resistance to rust and oxidation
- Maximum protection and peak performance under heavy-loads
- Excellent water separating properties
- Smooth hydraulic operation through rapid air release
- Extended equipment service intervals

PRODUCT FEATURES

- Highly-refined base stocks to maximize resistance to thermal breakdown
- Active anti-wear agents to protect critical system components
- Protects sensitive servo valves for trouble free operations
- Special additive chemistry provides resistance to system rust and corrosion

APPLICATIONS

Suitable for use in applications that require:

- ASTM D6158 HL, HM
- Bosch Rexroth RDE-90235
- Chinese standard GB 11118.1 L-HL & L-HM High- pressure and General
- Danieli 0.000.001 Type 10 & 11
- DIN 51524 PART 1, 2
- Eaton Brochure 03-401-2010
- Eaton Lubricant Specification E-FDGN-TB002-E
- Fives Cincinnati P-68, P-69 & P-70
- GM LS-2 Antiwear Hydraulic Oil
- ISO 11158 HL, HM
- JCMAS HK P041
- Parker Denison HF-1, HF-2, HF-0
- U.S. Steel 126
- ZF TE-ML 07H
- ZF TE-ML 21M

Premium AW Hydraulic Fluid				
Typical Physical Properties				
Property	Test Method	32	46	68
Density@15°C, g/cm ³	ASTM D4052	0.8608	0.8666	0.8730
API Gravity @ 60°F	ASTM D4052	32.8	31.7	30.5
Viscosity @ 40°C, cSt	ASTM D445	32	46	68
Viscosity @ 100°C, cSt	ASTM D445	5.4	6.6	8.4
Viscosity Index	ASTM D2270	102	103	92
Flash Point, °C (°F)	ASTM D93	215 (419)	216 (420)	233 (451)
Pour Point, °C (°F)	ASTM D97	-45 (-49)	-38 (-36)	-32 (-25)
Zinc, wt%	ASTM D6481	0.03	0.03	0.03
Pounds per Gallon	ASTM D1250	7.16	7.21	7.27

Minor variations in typical physical properties may occur from normal manufacturing processes

DISTRIBUTED BY:

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