

Premium AW Hydraulic Fluid

PRODUCT DESCRIPTION

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.

PRODUCT FEATURES

- Formulated with premium base stocks provide oxidation resistance
- Provides active anti-wear agents to protect critical hydraulic system components
- Special additive chemistry to increase corrosion protection
- Formulated to minimize air entrainment

BENEFITS

- Greater protection against thermal breakdown for longer oil life
- Excellent wear protection for increase equipment reliability
- Increased protection against rust and other chemical attack of metal components
- Smooth hydraulic operation through rapid air release and anti-foam action

APPLICATIONS

Suitable for use in applications that specify:

- AFNOR NF E 48-603 (HM, HV)
- AIST (US Steel) 126, 127
- ASTM D6158 HL, HM
- Bosch Rexroth RDE-90235
- DIN 51524, part 2 & 3 (HLP, HVLP)
- Eaton Brochure 694 for 35VQ25A
- Eaton I-286-5 & M-2950
- Fives Cincinnati P-68, P-69 & P-70
- GM LS-2 Anti-wear Hydraulic Oil
- ISO 6743/4 (HM, HV)
- ISO 11158 (HM, HV)
- Parker Denison HF-0, HF-1, HF-2

DISTRIBUTED BY:

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PRODUCT DATA

Typical Properties						
Property	Test Method	ISO 22	ISO 32	ISO 46	ISO 68	ISO 100
Density @ 15°C (g/mL)	ASTM D4052	0.864	0.868	0.872	0.874	0.881
Viscosity @ 40°C (cSt)	ASTM D445	22.36	31.89	47.05	64.870	97.6
Viscosity @ 100°C (cSt)	ASTM D445	4.35	5.42	6.88	8.41	11.12
Viscosity Index	ASTM D2270	101	104	101	100	99
Flash Point, °C (°F)	ASTM D92	191 (376)	204 (400)	221 (430)	243 (470)	247 (476)
Pour Point, °C (°F)	ASTM D97	-48 (-54)	-41 (-42)	-37 (-35)	-32 (-26)	-27 (-17)
Rust Prevention	ASTM D665A&B	Pass	Pass	Pass	Pass	Pass
Copper Corrosion, 3 h @ 100°C (Rating)	ASTM D130	1b	1b	1b	1b	1b
Foam Test, Sequence I, Tendency/Stability (mL/mL)	ASTM D892	0/0	0/0	0/0	0/0	0/0
Foam Test, Sequence II, Tendency/Stability (mL/mL)	ASTM D892	0/0	0/0	0/0	0/0	0/0
Foam Test, Sequence III, Tendency/Stability (mL/mL)	ASTM D892	0/0	0/0	0/0	0/0	0/0
Demulsibility, Oil/Water/Emulsion (time), mL/mL/mL (min.)	ASTM D1401	38/39/3 (10)	40/40/0 (20)	40/40/0 (20)	39/40/1 (15)	40/40/0 (10)

HEALTH and SAFETY

Health and safety recommendations for products can be found on the Safety Data Sheet (SDS) at www.belray.com