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Product Data Sheet

Concord AW Super Clean

Description and Applications

Saheli Concord AW Super Clean series are high performance anti-wear hydraulic oils developed for high pressure hydraulic systems operating under moderate to severe conditions in mobile and industrial service requiring super clean oils. These oils are formulated with high quality base oils and field proven performance additives to provide excellent protection against oxidation degradation, rust and corrosion and wear. **Saheli Concord AW Super Clean** also possesses superior foam control, water separation and rapid air release properties.

Features and Benefits

- Excellent thermo-oxidative stability controls the formation of sludge and varnish and improves oil life.
- Exceptional anti-wear property results in longer pump and component life and reduces costs
- Ensures smooth operation of hydraulic systems employing close clearance servo valves.
- Superior demulsibility helps in faster separation of water from oil and resists formation of emulsions.
- Special rust and corrosion inhibitors protect multi-metallurgy components even in presence of moisture.
- Rapid air release property minimizes chances of pump cavitations leading to trouble free operations.
- Compatible with multi-metals and sealing materials commonly used in hydraulic systems.

Applications

- Hydraulic systems operating under moderate to severe conditions in mobile and industrial service requiring super clean oils.
- Mobile hydraulic fluid power transmission systems and general machine lubrication.

Specifications

- DIN 51524 Part 2-HLP
- AFNOR NFE 48-603 (HM), ISO 11158 HM
- Denison HF-0, HF-1, HF-2
- Eaton (Vickers) M-2950-S, M-2952-S, I-286-S
- Cincinnati Lamb P-68, P-69, P-70
- Bosch Rexroth 07 075 for vane, piston and gear pumps
- Sauer Danfoss 520L0463

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Concord AW Super Clean 10-22

Test Parameters		Test Method	Typical Results		
ISO VG			10	15	22
Density @ 15°C gm/cm3		ASTM D1298	0.847	0.858	0.865
Viscosity Index		ASTM D2270	97	97	98
Viscosity @ 40°C (cSt)		ASTM D 445	10.1	15.1	22.2
Pour Point °C		ASTM D 97	-30	-24	-24
Flash Point (COC) °C		ASTM D 92	136	164	186
Rust Test		ASTM D 665A/B	Pass	Pass	Pass
Turbine Oil Stability Test, hrs		ASTM D 943	2000+		
FZG, fail load stage, min		ASTM DIN 51354-2	-	-	-
Cleanliness level at filling stage		NAS 1638	6	6	6
Foam Test, foam after 10 min of settling for all sequences		ASTM D 892	Nil	Nil	Nil
Emulsion Test 30 minutes max	@ 54°C	ASTM D1401	Pass	Pass	Pass
	@ 82°C		-	-	-

Concord AW Super Clean 32-100

Test Parameters		Test Method	Typical Results			
ISO VG			32	46	68	100
Density @ 15°C gm/cm3		ASTM D1298	0.870	0.874	0.881	0.886
Viscosity Index		ASTM D2270	100	100	99	97
Viscosity @ 40°C (cSt)		ASTM D 445	31.2	45.9	68.3	98.3
Pour Point °C		ASTM D 97	-24	-24	-24	-12
Flash Point (COC) °C		ASTM D 92	202	210	218	230
Rust Test		ASTM D 665A/B	Pass	Pass	Pass	Pass
Turbine Oil Stability Test, hrs		ASTM D 943	2500+			2000+
FZG, fail load stage, min		ASTM DIN 51354-2	11	11	11	11
Cleanliness level at filling stage		NAS 1638	6	6	6	6
Foam Test, foam after 10 min of settling for all sequences		ASTM D 892	Nil	Nil	Nil	Nil
Emulsion Test 30 minutes max	@ 54°C	ASTM D1401	Pass	Pass	Pass	-
	@ 82°C		-	-	-	Pass

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