

## Product Data Sheet

### Concord AW Plus Super Clean

#### Description and Applications

**Saheli Concord AW Plus Super Clean** series are premium quality anti-wear hydraulic oils specially developed to meet the requirements of the most demanding modern hydraulic systems in industrial and mobile service requiring super clean oils. These oils are formulated with severely hydro-processed Group II base oils and a carefully selected additive system to satisfy the performance requirements of a wide range of hydraulic equipment.

#### Features and Benefits

- Exceptional anti-wear property results in fewer breakdowns, longer pump life and reduced maintenance costs.
- Superior cleanliness of this oil ensures smooth and trouble-free operation of precision control hydraulic systems employing close clearance servo valves.
- Excellent demulsibility helps in faster separation of water from oil and resists formation of emulsions.
- Special rust and corrosion inhibitors protect multi-metallurgy components against negative effects of moisture presence in the system.
- Rapid air release property minimizes chances of pump cavitations and thus prevents component damage, reduces vibration and maintains efficiency especially in modern hydraulic systems where sump sizes are becoming smaller.
- Offers long-term hydrolytic stability and yellow metal compatibility in presence of water.

#### Applications

- Most demanding hydraulic systems subjected to high pressures and loads requiring super clean oils.
- Applications requiring extended oil change intervals.
- Hydraulic systems in industrial and mobile service employing gear, vane and piston pumps where anti-wear hydraulic oils are recommended.
- 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
- Cincinnatti 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 Plus Super Clean 10-22

Test Parameters	Test Method	Typical Results		
<b>ISO VG</b>		<b>10</b>	<b>15</b>	<b>22</b>
Density @ 15°C gm/cm <sup>3</sup>	ASTM D1298	0.837	0.843	0.848
Viscosity Index	ASTM D2270	109	109	108
Viscosity @ 40°C (cSt)	ASTM D 445	10.2	15.3	22.2
Pour Point °C	ASTM D 97	-33	-27	-27
Flash Point (COC) °C	ASTM D 92	142	168	192
Rust Test	ASTM D 665A/B	Pass	Pass	Pass
Turbine Oil Stability Test, hrs	ASTM D 943	3000+		4500+
FZG, fail load stage, min	ASTM DIN 51354-2	-	-	-
Foam Test, foam after 10 min of settling for all sequences	ASTM D 892	Nil	Nil	Nil
Emulsion Test 30 minutes max	@ 54°C	Pass	Pass	Pass
	@ 82°C	-	-	-

#### Concord AW Plus Super Clean 32-100

Test Parameters	Test Method	Typical Results			
<b>ISO VG</b>		<b>32</b>	<b>46</b>	<b>68</b>	<b>100</b>
Density @ 15°C gm/cm <sup>3</sup>	ASTM D1298	0.852	0.855	0.858	0.861
Viscosity Index	ASTM D2270	105	104	100	99
Viscosity @ 40°C (cSt)	ASTM D 445	31	46.3	68.1	98.7
Pour Point °C	ASTM D 97	-24	-24	-24	-15
Flash Point (COC) °C	ASTM D 92	206	218	226	238
Rust Test	ASTM D 665A/B	Pass	Pass	Pass	Pass
Turbine Oil Stability Test, hrs	ASTM D 943	5000+			4000+
FZG, fail load stage, min	ASTM DIN 51354-2	11	11	11	11
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	Pass	Pass	Pass	-
	@ 82°C	-	-	-	Pass

The information contained in this data sheet are indicative and correspond to the date of publication of this document. The above data are based on laboratory tests. It is the reader's interest to ensure whether the most recent version of the data sheet. A safety data sheet is available on request by our sales consultant. For more information, please contact the sales department.