

Product Data Sheet

Concord RO

Description and Applications

Saheli Concord RO series are premium quality multipurpose lubricating oils intended for use in hydraulic systems in industrial and mobile service, compressors, turbines, circulating systems and spur, helical, bevel and worm gearboxes where R&O type of oils are required. These oils are blended from high quality base oils and a proven additive system to provide superior oxidation stability, rust and corrosion protection, foam control and moderate wear protection. They also possess good water separation and rapid air release properties. **Saheli Concord RO** is available in **ISO VG 15 through ISO 460** viscosity grades.

Features and Benefits

- Superior thermo-oxidative stability minimizes sludge and varnish formation and resists oil degradation leading to longer service life.
- Excellent demulsibility helps in faster separation of water from oil.
- Special rust and corrosion inhibitors protect critical components even in severe operating conditions.
- Effective foam control and rapid air release properties ensure trouble-free operations.

Applications

- Hydraulic systems in industrial and mobile service requiring R&O type of oils.
- Recommended for wide variety of industrial applications requiring R&O type of oils:
 - Plain and rolling element bearings
 - Gear sets not requiring EP properties
 - General Machine lubrication
 - Steam and Water turbines
 - Circulating oil systems
 - Air compressors

Specifications

- DIN 51524 Part 1-HLP
- AFNOR NFE 48-603 (HL), ISO 11158 HL
- CINCINNATI LAMB P-38, P-54, P-55 and P-56

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Concord RO 15-68

Test Parameters		Test Method	Typical Results				
ISO VG			15	22	32	46	68
Density @ 15°C gm/cm ³		ASTM D1298	0.858	0.865	0.87	0.874	0.881
Viscosity Index		ASTM D2270	97	98	100	100	99
Viscosity @ 40°C (cSt)		ASTM D 445	15.1	22.2	31.2	45.9	68.3
Pour Point °C		ASTM D 97	-24	-24	-21	-18	-15
Flash Point (COC) °C		ASTM D 92	164	186	202	210	218
Rust Test		ASTMD 665A/B	Pass	Pass	Pass	Pass	Pass
Turbine Oil Stability Test (hrs)		ASTM D 943	1000+		1500+		1000+
Emulsion Test, 10 min max	@ 54°C	ASTM D 1401	Pass	Pass	Pass	Pass	Pass
	@ 82°C		-	-	-	-	-
Foam test after 10min of setting for all sequences		ASTM D 892	Nil	Nil	Nil	Nil	Nil

Concord RO 100-460

Test Parameters		Test Method	Typical Results				
ISO VG			100	150	220	320	460
Density @ 15°C gm/cm ³		ASTM D1298	0.886	0.89	0.894	0.898	0.902
Viscosity Index		ASTM D2270	97	96	96	95	95
Viscosity @ 40°C (cSt)		ASTM D 445	98.3	148.9	221	321.1	467
Pour Point °C		ASTM D 97	-12	-9	-6	-6	-3
Flash Point (COC) °C		ASTM D 92	230	246	256	266	280
Rust Test		ASTM D 665A/B	Pass	Pass	Pass	Pass	Pass
Turbine Oil Stability Test (hrs)		ASTM D 943	1000+				
Emulsion Test, 10 mintes, max	@ 54°C	ASTM D 1401	-	-	-	-	-
	@ 82°C		Pass	Pass	Pass	Pass	Pass
Foam test after 10min of setting for all sequences		ASTM D 892	Nil	Nil	Nil	Nil	Nil

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.