

Product Data Sheet

Skiron Antartico

Description and Applications

Saheli Skiron Antartico series are high performance naphthenic refrigeration compressor oils specially designed to meet the stringent requirements of major refrigeration compressor manufacturers.

These oils are formulated with severely hydro treated naphthenic base oils to provide excellent protection against oxidation degradation, rust and corrosion and foaming and entrained air.

These oils are specifically designed for refrigeration systems using non-hydroflurocarbon refrigerants such as R-11, R-12, R-13B1 R-22, R-113, R-500, R-501, R-502, R-717 (Ammonia - NH3), etc.

Features and Benefits

- Good thermo-oxidative stability controls deposits in evaporator tubes, improves heat transfer and improves oil life resulting in improved equipment reliability, availability and efficiency.
- Free from additives and pour point depressants as these have been known to impair the performance of some refrigeration systems.
- Low pour point and flocculation point ensures smooth operation at low operating temperatures
- Low ash and carbon forming tendency ensures improved valve performance and reduced potential for fires and explosions in the discharge systems.
- Good wear and rust protection results in reduced maintenance costs and longer equipment life.
- Compatible with materials used in the entire refrigeration system.

Applications

- Large Industrial reciprocating and rotary refrigeration compressors.
- Compressors of Carrier, Copeland, Kelvinator, Sabroe, Tecumseh.
- Marine refrigeration applications like food freezing and cold storage plants.
- Also used in circulating oil systems, plain and rolling element bearings, etc.
- NOTE: These oils are NOT recommended for use with HFC refrigerants such as R-134a.

Specifications

- DIN 51503 KAA, KC and KE
- ISO 6743-3:2003 L-DRA, L-DRE and L-DRG

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Test Parameters	Method	Typical Results			
		32	46	68	100
ISO VG					
Density @ 15°C gm/cm ³	ASTM D1298	0.915	0.921	0.921	0.917
Conradson Carbon Residue (CCR), %m	ASTM D 189	<0.01	<0.01	<0.01	<0.01
Viscosity @ 40°C (cSt)	ASTM D 445	32.1	45.9	68.9	100.5
Pour Point °C	ASTM D 97	-42	-39	-36	-30
Flash Point (COC) °C	ASTM D 92	184	188	206	218
Saponification No. mg KOH/g	ASTM D974	0.01	0.01	0.01	0.01
Rust Test	ASTM D 665A/B	Pass	Pass	Pass	Pass
Copper Corrosion, 1hr @ 100 °C	ASTM D 130	1a	1a	1a	1a
Total Acid Number, mgKOH/g	ASTM D 974	0.01	0.01	0.01	0.01
Flocculation Point, R-12	ASTM DIN 51351	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.

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