

Product Data Sheet

Skiron *Advanced-LL*

Description and Applications

Saheli Skiron *Advanced-LL* series are long life ash-less air compressor lubricants developed for use in rotary compressors of screw or vane design, reciprocating compressors and centrifugal compressors to provide long and reliable service in extreme temperatures and severe operating conditions.

Saheli Skiron *Advanced-LL* is manufactured from specially selected base fluids and advanced additive technology to provide excellent thermo-oxidative stability, resistance to sludge and varnish formation and wear protection similar to synthetic products meeting SAE M1003-2 specification.

Features and Benefits

- Outstanding thermo-oxidative stability and excellent anti-wear protection leads to longer oil and equipment life.
- Low varnish and carbon forming tendency help in reducing maintenance cost.
- Extra high viscosity index coupled with excellent low temperature fluidity makes these oils suitable for use in wide operating temperature range.
- Zinc-free formulation ensures excellent filterability by minimizing oil filter blockage in wet condition.
- Excellent low volatility characteristics give low oil consumption and reduced top-up rates.
- Improved surface properties results in very good anti-foaming and air release properties and superior demulsibility.
- Compatible with mineral lubricants and also with seals and paints normally used with mineral oils.
- Offers excellent protection against rust and corrosion.

Applications

- Single or multiple stage rotary screw or vane, centrifugal compressors and reciprocating compressors of various OEMs, including Hydrovane, Sullair, Atlas Copco, Compare, and others.
- The formulation has undergone successful field trial in Sullair model 12-50H Screw Compressor (50 HP, 1780 rpm, air discharge temperature 93°C) for 8502 hrs and in Hydrovane HV04-HV07 air compressors (air discharge temperature 120°C) for 2450 hrs.
- Compressors used in mobile and stationary applications.

Specifications

- DIN 51506 VDL
- ISO 6743-3 ISO-L-DAB and ISO-L-DAJ

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Test Parameters		Test Method	Typical Results				
ISO VG			32	46	68	100	150
Density @ 15°C gm/cm ³		ASTM D1298	0.848	0.852	0.854	0.858	0.864
Viscosity Index		ASTM D2270	128	130	136	138	135
Viscosity @ 40°C (cSt)		ASTM D 445	32.5	46.1	68.3	100.9	144
Pour Point °C		ASTM D 97	-36	-36	-36	-36	-36
Flash Point (COC) °C		ASTM D 92	220	222	222	234	220
Rust Test		ASTM D 665A/B	Pass	Pass	Pass	Pass	Pass
Air Release, @ 50°C, min		ASTM D3427	2	5	8	12	12
RBOT, minutes		ASTM IP 229	1718	1744	2066	2008	2065
Foam (aft. 10min of setting-all seq.		ASTM D 892	Nil	Nil	Nil	Nil	Nil
Emulsion Test 30 Min. Max	@54°C	ASTM D 1401	Pass	Pass	Pass	-	-
	@82°C		-	-	-	Pass	Pass
FZG, Fail load stage		ASTM DIN 51324-2	>12	>11	>12	>12	>12

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.