

# Atlas Copco Lubricants PAROIL S

## Put top quality oil in to get the best out of your compressors

Atlas Copco PAROIL S has been designed to provide a high level of performance in air compressors working in severe conditions. Although it is designed in the first place for high pressure applications, PAROIL S can be used in all our portable compressors for ambient temperatures between -25°C and +30 °C and up until +50°C for low pressure applications.

PAROIL S is a fully synthetic premium quality oil with a high viscosity index. The quality lubricator additives allow for oil change intervals of 1 000 hours without any loss in performance and compressor longevity.

Extensive laboratory and field endurance tests on Atlas Copco equipment have proven PAROIL S to match all demands in varied conditions. This is critical for reliability and reduces the operating costs throughout the life time of the compressor. PAROIL S meets stringent quality control specifications to ensure your equipment will run smoothly and reliably.



## Features

## Benefits

<b>Excellent oxidation resistance</b>	Contains premium quality oxidant additives that resist formation of carbon deposits, sludge and contaminants that tend to build up under very high temperature.	Keeps the compressor clean on the inside and prevents contaminants from clogging the filter elements. Ensures maximum output in between service intervals.
<b>Excellent water separation</b>	Facilitates separation and drainage of any condensate moisture in the compressor. Important feature during the lubricant cooling phase.	Protects against corrosion and the formation of harmful deposits. Prevents emulsified water in oil that reduces the flow to lubrication point and encourage damages of the bearings.
<b>Excellent seal and paint compatibility</b>	PAROIL S is not harmful for sealing materials.	Reduces risk of leakage and no need for re-sealing.
<b>Balanced composition on antifoam and air release</b>	Ensures the rapid separation of air and lubricant in the compressor oil separator.	Keeps the oil clean and prevents blocking of the oil separator, guaranteeing a low oil carry over.
<b>Top protection against wear</b>	Anti-corrosion characteristics and high chemical stability.	Protects seals, bearings and rotors of the compressor against the adverse effects of moisture contamination and acidic attacks. Extends lifetime of moving parts.
<b>High viscosity index</b>	Oil viscosity remains at a more stable level with this high index, even at high temperatures. This means lubrication efficiency is maintained under varying conditions.	Works well, whatever the conditions - even at very high operating conditions.

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## Characteristics

### Appearance

Blue color

Performance	Method	Unit	Value
Viscosity class ISO VG	ISO 6743		46
Density at 15 °C	ISO 3675	kg/dm <sup>3</sup>	0.843
Viscosity at 40 °C	ASTM D 445	mm <sup>2</sup> /s	46
Viscosity at 100 °C	ASTM D 445	mm <sup>2</sup> /s	7.3
Pour point	ASTM D 97	°C	-57
Viscosity index	ASTM D 2270		133
Flash point COC	ASTM D 92	°C	248

These characteristics are typical of current production. Whilst future production will conform to Atlas Copco's specification, variations in these characteristics may occur. Complies with ISO 6743 /3 /1A class L-DAH

## ID Card

<b>Name</b>	PAROIL S
<b>Oil type</b>	Engineered synthetic base lubricant
<b>Service intervals</b>	1 000 h or 1 year
<b>Environment</b>	Ambient temperature range -25 °C to +30 °C (+50°C when used in single-stage applications)
	Compatible with operation in high humidity
	Compatible with high pressure equipment
<b>Equipment</b>	Atlas Copco Portable Air screw compressors
<b>Compatibility</b>	All portable compressors
<b>Capacity (ID)</b>	5 l plastic can ( 1630 0160 00 ) 20 l plastic can ( 1630 0161 00 ) 210 l metal drum ( 1630 0162 00 ) 1 000 l eco container (1630 0163 00)

