

Atlas Copco Lubricants

Roto-Extreme Duty Fluid

For single- and two-stage oil-injected rotary screw compressors



Roto-Extreme Duty Fluid is a unique, long-life lubricant, specially created for Atlas Copco single- and two-stage oil-injected rotary screw compressors. Its blend meets the specific demand of a direct rotor drive system and is particularly suited for high ambient temperature applications.

Roto-Extreme Duty Fluid offers improved reliability that translates into maximum equipment availability. Superior long life lubricant allows for extended drain intervals of up to 12,000 hours (*). It is ideally suited for use in conjunction with the highly efficient OSD/OSM/WSD oil/water separation systems.



Unique characteristics

Special blend created specifically for the Atlas Copco GA and GR series of oil-injected rotary screw compressors.

Quality assurance

Guaranteed consistent high quality from a single source.

Improved efficiency

Perfect lubrication for optimal product performance.

Increased service life

Allows for drain intervals of up to 12,000 hours (*).

Reduced operating cost

Savings through improved lubrication and longer drain intervals.

Enhanced reliability

Round-the-clock protection of all moving parts.

Environmentally friendly

Developed for use with the highly efficient Atlas Copco oil/water separation systems.

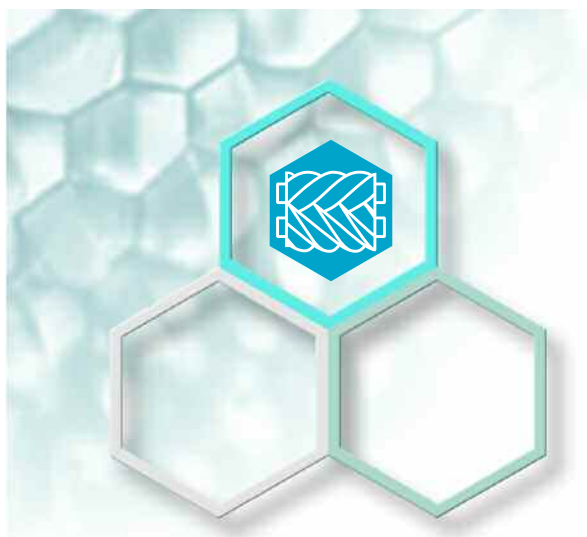
Convenient packaging

Available in container size of 1-55 gallons (3.8-208 Litres).



(* subject to normal operating conditions)

Atlas Copco



Roto-Extreme Duty Fluid

Roto Extreme Duty Fluid is a custom blended polyol ester (POE) long life synthetic lubricant. It is ideal for rotary screw air compressor applications where oil is exposed to elevated temperatures for extended periods of time. Accelerated tests show Roto Extreme Duty Fluid has at least four times the life of other synthetic lubricants. Roto Extreme Duty Fluid is produced from high quality basestocks coupled with state of the art additive technology resulting in performance improvements beyond mineral oil and other synthetic air compressor lubricants. Among these are:

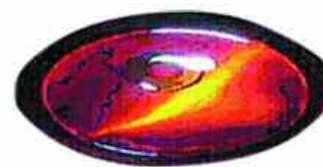


- **Extremely low volatility**
- **Excellent corrosion protection**
- **Exceptional thermal stability**
- **Good natural lubricity**
- **Outstanding low temperature properties**
- **Excellent oxidative stability**
- **Superior demulsibility**
- **Proven gas-lubricant separation (better coalescing)**

Roto Extreme Duty Fluid does not form solids, sludge or varnish as it ages like a polyalphaolefin (PAO) or mineral oil based air compressor lubricants. The comparison test results below compare Roto Duty Fluid versus a PAO and were taken after both lubricants were subjected to the same extreme high operating temperatures. The results clearly demonstrate the unrivaled properties of Roto Extreme Duty Fluid against varnish.



Varnished PAO Lubricant



Roto Extreme Duty Fluid

Package Size	Part number
1 gallon (3.8 Litres)	2901 1079 00
5 gallon (19 Litres)	2901 1078 00
55 gallon (208 Litres)	2901 1080 00

Typical Properties	
Viscosity, 40°C, cSt, ASTM D445	49.6
Viscosity, 100°C, cSt, ASTM D445	7.5
Viscosity, 100°F, SUS, ASTM D445	255
Viscosity, 210°F, SUS, ASTM D445	51.2
Viscosity Index, ASTM D2270	113
Flash Point, °F, ASTM D92	550
Fire Point, °F, ASTM D92	570
Pour Point, °F, ASTM D97	-40
Biodegradability, %, CEC L-33-T-82	86.6
Demulsibility	40/40/0

