

The Atlas Copco logo is positioned in the top right corner of the page. It consists of the brand name "Atlas Copco" in a white, italicized serif font, centered between two horizontal white bars. The background of the entire page is a photograph of a warehouse or industrial facility, showing tall metal shelving units filled with blue and grey barrels. In the foreground, a yellow Jungheinrich forklift is visible, with a worker in a high-visibility vest operating it. A large, semi-transparent blue triangle is overlaid on the bottom left, containing technical drawings of a compressor component.

Atlas Copco

Roto Synthetic Fluid XTEND DUTY

Atlas Copco Lubricants

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

When your air compressors need to perform at top capacity, only the Atlas Copco lubricant is good enough. That's why it pays to use Roto Synthetic Fluid Xtend Duty. It is a long life PAO oil, specifically developed for use in Atlas Copco oil injected screw compressors.

Roto Synthetic Fluid XTEND DUTY

Atlas Copco Lubricants

Based on synthetic hydrocarbons and special additives, our specially engineered 8 000 h lubricant has proven its ability to meet all lubrication demands under widely varying conditions. RSF Xtend Duty increases compressor reliability, reduces lifetime operating costs and makes your equipment last longer.



	Features	Benefits
Excellent resistance against oxidation	Slows development of acids in the lubricant to extend oil life and maintain its properties within service intervals.	Longer drain intervals: up to 8 000 hours or 2 years even in heavy duty conditions.
Exceptional protection against deposit formation	Protection against sludge formation keeps the system clean and limits contamination through the oil separator.	A lower pressure drop through the oil separator reduces energy consumption.
Top protection against screw and bearing wear	Anti-wear additives reduce the wear scars that appear on high loaded moving equipment.	Extends the lifetime of moving parts.
High viscosity index	Oil viscosity remains at a more stable level, even at high temperatures.	This means lubricating efficiency is maintained under varying conditions.
Good protection against corrosion	High hydrolytic stability prevents rust in case of water contamination.	Protects your investment, even when operating in high humidity environments, or during standstill periods of transport or storage.
Outstanding demulsifying properties	A high ability of the lubricant to separate from water, important during the lubricant cooling phase. The ability to separate during the condensate treatment process.	Protects against corrosion. Maintains lubricant properties for a longer lifetime. Compatible with the Atlas Copco OSC & OSD condense treatment devices with high purity separation.
Low foaming tendency	Thanks to its rapid air release properties, the air is efficiently separated from the lubricant without foaming.	Maintains a lubrication film to avoid cavitations in the screw element. Low oil carry-over to reduce network contamination.
Excellent seal compatibility	The RSF Xtend Duty formulation is not harmful towards sealing materials.	Reduced risk of leakage and no need for regular re-sealing of equipment.
Longer service intervals	Longer life reduces the number of drains and saves cost on lubricant disposal	Environmentally friendly.

Lubricant characteristics

Appearance: Clear light brown

Performance	Method	Unit	Value
Density at 15°C	ISO 3675	kg/dm ³	0,843
Viscosity at 40°C	ASTM D 445	mm ² /s	46
Viscosity index	ASTM D 2270		133
Water separateability at 54°C	ASTM D 1401	ml oil/water/emulsion	40/40/0 (15 min)
Foam stability	ASTM D 892	ml	0/0/0
Total acid number	ASTM D 974	ml KOH/g	0,14
FZG fail stage	ISO 14635-2		12
Rust test	ASTM D 665B		Pass
Pour point	ASTM D 97	°C	-57

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 and L-DAJ

ID Card

Roto Synthetic Fluid XTEND DUTY

Oil type	Engineered synthetic based lubricant	
Service intervals	8 000 h or 2 years	
Environment	Ambient temperature range at 0°C to +46°C	
	Compatible with operation in high humidity	
	Compatible with high pressure equipment	
Equipment	Atlas Copco oil injected screws	
Compatibility	GA – GX – GN – GR compressors	
Capacity (ID)	5 l plastic can	(2901 1700 00)
	20 l plastic can	(2901 1701 00)
	209 l metal drum	(2901 1702 00)
	1000 l container	(2901 1703 00)

