

The Atlas Copco logo is located 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 factory floor. In the foreground, a yellow Jungheinrich forklift is visible, with a worker in a high-visibility vest operating it. The forklift is carrying a wooden pallet loaded with several large blue industrial drums. In the background, there are high industrial shelving units filled with more blue drums. A large blue triangular graphic is overlaid on the bottom left of the image, containing technical drawings of a compressor rotor.

Roto Synthetic Fluid ULTRA

Atlas Copco Lubricants

High quality synthetic oil for demanding applications

With several years of experience on developing cutting edge technology on compressors, Atlas Copco has designed a unique additive package that enables the Roto Synthetic Fluid Ultra to work in harmony with all other components in the compressor.

Roto Synthetic Fluid ULTRA

Atlas Copco Lubricants

With extended service intervals of up to 4 000 hours when operating in demanding conditions, RS Ultra is a combination of a premium synthetic base fluid with an enhanced additive package to allow your compressor to operate in dusty and humid conditions and keeping your system deposit free. This combination (base oil and tailor-made additive package) ensures compressor protection and improves the energy consumption when comparing with our mineral lubricants.



| | 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 4 000 hours or 2 years even in demanding 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. |
| High viscosity index | Oil viscosity remains at a more stable level, even at high temperatures. | This means lubricating efficiency and screw/bearing protection 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 very humid conditions or during standstill periods of transport or storage. |
| Outstanding demulsifying properties | High ability to separate from water, important during the lubricant cooling phase. The ability to separate during the condensate treatment process. | Protects against corrosion. Compatible with the Atlas Copco OSC & OSD condensate treatment devices with high purity separation. |
| Reduced oil consumption | Thanks to the combination of a tailor-made additive package and base oil, RS Ultra is less volatile. | Reduced oil "top-up" saves money and is good for the environment. |
| Increased lubricant lifetime | Longer service intervals will decrease the number of oil changes. | Saves costs on labor, lubricant disposal and purchase frequency. Environment friendly. |

Lubricant characteristics

Appearance: Clear light brown

| Performance | Method | Unit | Value |
|------------------------------|-------------|--------------------------|-----------------|
| Density at 15°C | ISO 3675 | kg/dm ³ | 0,832 |
| Viscosity at 40°C | ASTM D 445 | mm ² /s | 45,25 |
| Viscosity index | ASTM D 2270 | | 144 |
| Water separatebility at 54°C | ASTM D 1401 | ml oil/water/emulsion | 40/40/0 (5 min) |
| Foam stability | ASTM D 892 | ml | 0/0/0 |
| Total acid number | ASTM D 974 | mg KOH/g | 0,09 |
| NOACK evaporation | ASTM D 5800 | % | 2,0 |
| Rust test | ASTM D 665B | | Pass |
| Pour point | ASTM D 97 | °C | -45 |

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

Roto Synthetic Fluid ULTRA

| | | |
|-------------------|---|----------------|
| Oil type | Engineered synthetic based lubricant | |
| Service intervals | Up to 4 000h or 2 years at demanding ambient conditions (compressors) and 2 000h or 2 years (compressors with energy recovery system) | |
| Environment | Ambient temperature range from 0°C to +40°C & dusty environment or ambient temperature range from 0°C to +40°C & humid environment. | |
| | Compatible with operation in high humidity conditions | |
| | Compatible with high pressure equipment | |
| Equipment | Atlas Copco oil injected screws | |
| Compatibility | GA – GX – GN – GR compressors | |
| Capacity (ID) | 5 l plastic can | (1630 2041 05) |
| | 20 l plastic can | (1630 2041 20) |
| | 209 l metal drum | (1630 2041 29) |
| | 1000 l container | (1630 2041 00) |

