



# 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  |
|---|--|---|
| <b>Excellent resistance against oxidation</b>           | 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.   |
| <b>Exceptional protection against deposit formation</b> | 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.   |
| <b>Top protection against screw and bearing wear</b>    | Anti-wear additives reduce the wear scars that appear on high loaded moving equipment.   | Extends the lifetime of moving parts.   |
| <b>High viscosity index</b>                             | Oil viscosity remains at a more stable level, even at high temperatures.   | This means lubricating efficiency is maintained under varying conditions.   |
| <b>Good protection against corrosion</b>                | 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.  |
| <b>Outstanding demulsifying properties</b>              | 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. |
| <b>Low foaming tendency</b>                             | 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.   |
| <b>Excellent seal compatibility</b>                     | The RSF Xtend Duty formulation is not harmful towards sealing materials.   | Reduced risk of leakage and no need for regular re-sealing of equipment.  |
| <b>Longer service intervals</b>                         | 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 <sup>3</sup>    | 0,843            |
| Viscosity at 40°C            | ASTM D 445  | mm <sup>2</sup> /s    | 46               |
| Viscosity index              | ASTM D 2270 |                       | 133              |
| Water separatebility 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) |

