

# Atlas Copco lubricants Roto-Xtend Duty Fluid

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

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-Xtend Duty Fluid. Atlas Copco superior performance long life PAD oil, specifically developed for use in Atlas Copco oil injected screw compressors.

Based on synthetic hydrocarbons and special additives, our engineered 8,000 h lubricant has proven its ability to meet all lubrication demands under widely varying conditions. Roto-Xtend Duty Fluid 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 8000 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.                         | Keeps working hard, whatever the conditions, even at high operating temperature.  |
| <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 the 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 condensate 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 cavitation in the screw element. Low oil carry-over to reduce network contamination.  |
| <b>Excellent seal compatibility</b>                     | The Roto-Xtend 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.   |

# Atlas Copco lubricants

## Roto-Xtend Duty Fluid

### Lubricant characteristics

#### Appearance

Colourless to light yellow, transparent

| Performance                           | Method      | Unit                  | Value            |
|---------------------------------------|-------------|-----------------------|------------------|
| <b>Density at 15 °C</b>               | ASTM D 1298 | kg/dm <sup>3</sup>    | 0.843            |
| <b>Viscosity at 40 °C</b>             | ASTM D 445  | mm <sup>2</sup> /s    | 46               |
| <b>Viscosity index</b>                | ASTM D 2270 |                       | 133              |
| <b>Demulsibility at 54 °C</b>         | ASTM D 1401 | ml oil/water/emulsion | 40/40/0 (15 min) |
| <b>Foam tendency SEQ I / II / III</b> | ASTM D 892  | ml                    | 10/0-0/0-10/0    |
| <b>Total acid number</b>              | ASTM D 974  | mg KOH/g              | 0,20             |
| <b>FZG fail stage</b>                 | CEC-L-A085  |                       | >12              |
| <b>Rust test</b>                      | ASTM D 665B |                       | pass             |
| <b>Pour point</b>                     | ASTM D 97   | °C                    | -50              |

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>              | Roto-Xtend Duty Fluid  |
| <b>Oil type</b>          | Engineered synthetic base lubricant  |
| <b>Service intervals</b> | 8,000 h or 2 years   |
| <b>Environment</b>       | Continuous high ambient temperature +46 °C / +115 °F   |
|                          | Compatible with operation in high humidity   |
|                          | Compatible with high pressure equipment  |
| <b>Equipment</b>         | Atlas Copco oil injected screws  |
| <b>Compatibility</b>     | GA - GX - GN - GR compressors  |
| <b>Capacity (ID)</b>     | 5 l plastic can ( 2901 1700 00 )<br>20 l plastic can ( 2901 1701 00 )<br>209 l metal drum ( 2901 1702 00 ) |

