

Technical Data Sheet

CompAir FluidForce Screw Warranty Lubricant

SCWOBG2-5; SCWOBG2-20; SCWOBG2-209

- Long life
- Improved Efficiency

Premium Rotary Air Compressor Oil

FluidForce Screw Warranty Lubricant (SCWOBG2) is a premium quality air compressor lubricant designed to deliver high performance lubrication of rotary screw air compressors. It uses an advanced additive system to provide excellent protection and performance for compressors running at up to 20 bar and 100°C discharge temperatures with lubrication maintenance intervals of up to 4000 hours.

DESIGNED TO MEET CHALLENGES

Performance, Features & Benefits

- **Long oil life - Maintenance saving**
FluidForce Screw Warranty Lubricant is capable of providing oil maintenance intervals of up to 4000 hours even when operating at maximum discharge temperatures of up to 100 °C.

It is formulated to help:
 - Resist formation of carbon deposits in sliding vane slots in vane compressors
 - Resist formation of deposits on rotating components in screw compressors
 - Resist thermal breakdown and deposit formation to maintain excellent internal surface cleanliness particularly in oil/air separator and coalescer systems.
 - Exact oil maintenance interval will depend on intake air quality, duty cycle and ambient conditions. For hot and humid type climates as found in the Asian and Pacific regions, a reduced oil drain period is recommended (consult CompAir recommendations)
- **Outstanding wear protection**
With many years of successful application, FluidForce Screw Warranty Lubricant helps provide effective protection of internal metal surfaces from corrosion and wear.
It contains an advanced ashless anti-wear system to help prolong the life of critical parts such as bearings and gears.

- **Maintaining system efficiency**

Air release and prevention of foaming are critical performance characteristics in a compressor oil, ensuring reliable start-up and continuous compressed air availability. FluidForce Screw Warranty Lubricant is designed to provide rapid air release without excessive foaming to give trouble-free operation even under cycling conditions.
In addition, FluidForce Screw Warranty Lubricant has excellent water separation properties to help ensure continuous efficient operation of the compressor even in the presence of water.

Main Applications



- **Screw air compressors**

Suitable for oil flooded or oil injected, single or two-stage rotary compressors, operating at pressures of up to 20 bar and with air discharge temperatures of up to 100°C.

Specifications, Approvals & Recommendations

- **ISO 6743-3A-DAJ**

For a full listing of equipment approvals and recommendations, please consult your local CompAir Technical Helpdesk.

Compatibility & Miscibility

- **Seal Compatibility**

FluidForce Screw Warranty Lubricant oils are compatible with seal materials specified for use with mineral oils.

Typical Physical Characteristics

| Properties | | | Method | FluidForce Screw Warranty SCWOBG2 |
|---------------------|--------|--------------------|---------------|--------------------------------------|
| ISO Viscosity Grade | | | ISO 3448 | 46 |
| Kinematic Viscosity | @40°C | mm ² /s | ASTM D445 | 46 |
| Kinematic Viscosity | @100°C | mm ² /s | ASTM D445 | 6.9 |
| Density | @15°C | kg/m ³ | ASTM D1298 | 868 |
| Flash Point (COC) | | | ASTM D92 | 230 |
| Air Release | | | ASTM D3427 | 3 |
| RPI/OT | | | ASTM D2272 | 700 |
| FZG Test | | | CEC-L-07-A-95 | 11 |
| Pour Point | | | ASTM D97 | -30 |
| Water Separability | @54°C | mins | ASTM D1401 | 15 |

These characteristics are typical of current production. Whilst future production will conform to CompAir's specification, variations in these characteristics may occur.

Health, Safety & Environment

- **Health and Safety**

FluidForce Screw Warranty Lubricant is unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.

Avoid contact with skin. Use impervious gloves with used oil. After skin contact, wash immediately with soap and water.

Guidance on Health and Safety is available on the appropriate Material Safety Data Sheet, which can be obtained from repsnet.support

- **Protect the Environment**

Take used oil to an authorised collection point. Do not discharge into drains, soil or water.

Additional information

- **Advice**

Advice on applications not covered here may be obtained from your Edmac representative.

Viscosity – Temperature Diagram for FluidForce Screw Warranty Lubricant SCWOBG2

