

**COMPRESSOR RSP SYN ISO 46 & 68****PRODUCT DESCRIPTION**

Vertex Compressor RSP SYN is a high-performance synthetic compressor oil manufactured with polyalphaolefin base oils and alkylated naphthalene technology. It contains a rust and oxidation inhibitor system, along with anti-wear additives, to provide outstanding oxidation resistance and corrosion protection. The high viscosity index and low pour points of the polyalphaolefin base fluid permit application in a wider range of ambient operating temperatures compared to conventional lubricants. Vertex Compressor RSP SYN Compressor Oil delivers long oil life and effective lubrication in severe applications. It is recommended for lubricating reciprocating, rotary screw, and slide vane air compressors where the air delivery temperatures exceed 150°C, but it is not suitable for use in breathing air compressors.

**APPLICATIONS & BENEFITS**

- Vertex Compressor RSP SYN is a high-performance synthetic compressor oil.
- Manufactured with polyalphaolefin base oils and alkylated naphthalene technology.
- Contains rust and oxidation inhibitor system, plus anti-wear additives.
- Provides outstanding oxidation resistance and corrosion protection.
- High viscosity index and low pour points enable wider application in various ambient temperatures.
- Delivers long oil life and effective lubrication in severe applications.
- Recommended for reciprocating, rotary screw, and slide vane air compressors with air delivery temperatures exceeding 150°C.
- Suitable for extended drain intervals up to 8,000 hours under normal operating conditions.
- Not suitable for use in breathing air compressors.

**PACK SIZES AVAILABLE**

20L - 200L

**SPECIFICATIONS**

ISO 46 &amp; 68

**TYPICAL CHARACTERISTICS**

| COMPRESSOR RSP SYN              | Method      | Values | Values |
|---------------------------------|-------------|--------|--------|
| ISO Viscosity Grade             | ISO         | 46     | 68     |
| Specific Gravity @ 15 °C        | ASTM D 4052 | 0.842  | 0.846  |
| Flash Point, °C                 | ASTM D 92   | 242    | 254    |
| Pour Point, °C                  | ASTM D 97   | -45    | -42    |
| Kinematic Viscosity, cSt @ 40°C | ASTM D 445  | 45.8   | 68.5   |
| cSt @ 100°C                     | ASTM D 445  | 7.56   | 10.3   |
| Viscosity Index                 | ASTM D 2270 | 131    | 136    |
| Colour                          | ASTM D 1500 | <0.5   | <0.5   |

### ADDITIONAL INFORMATION

Designed for New Zealand Conditions | Manufactured from virgin base stocks. For more technical information please contact Vertex Lubricants NZ Technical Dept. +64 9 640 0004. Sheet updated 27 June 2023.