



# CETUS<sup>®</sup> PAO

## 32, 46, 68, 100, 150

### PRODUCT DESCRIPTION

Cetus<sup>®</sup> PAO oils are synthetic air compressor lubricants formulated with high quality PAO base fluids and a high performance additive package.

### CUSTOMER BENEFITS

Cetus PAO oils deliver value through:

- **Exceptional thermal and oxidation stability** — Long lubricant life in high temperature operations.
- **Long machinery life and maximum compressor efficiency** — Low carbon-forming tendency minimizes deposits.
- **Long drain intervals** — Long lubricant life means less frequent oil changes.
- **Minimal maintenance and downtime** — Helps promote long service intervals which can minimize operating costs.
- **Low volatility and excellent air release tendency** — Helps to reduce oil carryover downstream and less makeup oil is needed.

### FEATURES

Cetus PAO oils are synthetic air compressor lubricants formulated with the highest quality polyalphaolefin (PAO) base fluids.

They provide excellent thermal and oxidation stability, high viscosity index, high flash point, low pour point, and excellent hydrolytic stability.

Cetus PAO oils protect against rust, oxidation, and foaming, and have ashless antiwear properties.

Cetus PAO oils are designed to meet the requirements of modern higher output, more efficient air compressors. These units are more compact and operate at higher speeds than older compressors, resulting in higher temperatures. As temperatures increase, deposit formation on valves and air separators can also increase.



The high thermal and oxidation stability extends crankcase drain intervals compared with those obtained with mineral oils. Compressor operators can realize minimal equipment downtime and used oil disposal costs.

Valve cleanliness is maintained by the excellent thermal and oxidation stability and low carbon-forming tendencies of this product. Clean valves help minimize recompression, maximize compressor efficiencies and minimize maintenance shutdown costs.

Compressor users can realize savings in maintenance and lubrication costs through longer drain intervals offered by Cetus PAO compared to mineral oil based products.

In addition, they will find compatibility with most elastomeric seal materials that are used with mineral oil-based compressor lubricants.

### APPLICATIONS

Cetus PAO oils are formulated to provide excellent lubricating qualities for many air compressors, especially portable and stationary rotary and screw compressors as well as single-stage, two-stage, and multistage reciprocating compressors.

Product(s) manufactured in the USA.

Always confirm that the product selected is consistent with the original equipment manufacturer's recommendation for the equipment operating conditions and customer's maintenance practices.

A **Chevron** company product

25 February 2016  
IO-300

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While specific manufacturer recommendations vary, the **ISO 32, 46** and **68** grades are most commonly used for rotary air compressors, while higher viscosity grades are preferred for reciprocating air compressors.

Since reciprocating compressors require both a crankcase lubricant and a cylinder lubricant, Cetus® PAO oils are formulated to meet this dual requirement.

Cetus PAO 68 has especially been developed for the lubrication of turbochargers in marine diesel engines, where two separate lubricating oil systems are in place.

Cetus PAO meet the requirements of:

- **DIN** 51506 VDL standard

Cetus PAO 68 is approved for:

- ABB VTR.4 turbochargers. Fulfills the requirements as low friction lubricant for a 5000 hour drain interval.

Do not use in high pressure systems in the vicinity of flames, sparks and hot surfaces. Use only in well ventilated areas. Keep container closed.

Do not use in breathing air apparatus or medical equipment.

## TYPICAL TEST DATA

| ISO Grade   | 32          | 46          | 68           | 100         | 150         |
|---|-------------|-------------|--------------|-------------|-------------|
| Product Number                                      | 293024      | 293025      | 293026       | 293027      | 293028      |
| SDS Number  | 28999       | 28999       | 29718        | 29718       | 29751       |
| API Gravity   | 30.6        | 36.6        | 36.0         | 35.4        | 34.6        |
| Viscosity, Kinematic<br>cSt at 40°C<br>cSt at 100°C | 32.0<br>6.1 | 46.0<br>8.1 | 68.0<br>10.4 | 100<br>14.0 | 150<br>19.0 |
| Viscosity, Saybolt<br>SUS at 100°F<br>SUS at 210°F  | 150<br>45.6 | 214<br>51.4 | 316<br>60.6  | 464<br>74.0 | 695<br>93.8 |
| Viscosity Index                                     | 134         | 136         | 141          | 142         | 145         |
| Flash Point, °C(°F)                                 | 250(482)    | 250(482)    | 240(464)     | 260(500)    | 266(510)    |
| Pour Point, °C(°F)                                  | -45(-49)    | -46(-51)    | -47(-53)     | -48(-54)    | -49(-56)    |

Minor variations in product typical test data are to be expected in normal manufacturing.

Always confirm that the product selected is consistent with the original equipment manufacturer's recommendation for the equipment operating conditions and customer's maintenance practices.