



# CAPELLA<sup>®</sup> WF

## ISO 32, 68

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### PRODUCT DESCRIPTION

Capella<sup>®</sup> WF oils are designed for use as refrigeration compressor oils.

### CUSTOMER BENEFITS

Capella WF oils deliver value through:

- **Wax-free** — Suitable for ultra-low temperature service.
- **Water-free** — Low moisture content helps prevent icing in refrigeration expansion valves and helps prevent system corrosion.
- **Low carbon residue** — Helps minimize the tendency to form carbon deposits on the hot spots of the compressor unit.
- **Excellent compatibility in both Freon and ammonia systems** — Suitable for use in many types of refrigeration systems.
- **Premium quality** — Helps prevent lubricant-caused equipment failures.
- **Thermal stability** — For long service life.

### FEATURES

Capella WF oils help provide maximum wear protection to refrigeration compressor or system in which they are used.

Capella WF oils are manufactured using specially refined naphthenic mineral oils. Carefully selected base stocks assure the exceedingly low pour points necessary for refrigeration compressor lubricants.

They are highly refined and specially treated to help resist the sludging action of refrigerants in the presence of high temperature and metal catalysts.

### APPLICATIONS

Capella WF oils are suitable for use in refrigeration systems. They are particularly suitable for modern, compact, high pressure refrigeration systems using Freon. Since they are wax-free, they are suitable for use in very cold ambient temperatures as a bearing lubricant or for hand oiling.

Capella WF oils are unsuitable for refrigerant systems using HFC refrigerants, such as R-134a.

The viscosity grade for the application should be based on the equipment manufacturer's recommendation.

Capella WF oils satisfy the requirements of hermetically sealed air conditioning compressors or the many types of smaller units.

Capella WF oils are registered by **NSF** and are acceptable as a lubricant where there is no possibility of food contact (H2) in and around food processing areas. The NSF Nonfood Compounds Registration Program is a continuation of the USDA product approval and listing program, which is based on meeting regulatory requirements of appropriate use, ingredient review and labeling verification.

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

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## TYPICAL TEST DATA

|                                                                   | 32           | 68           |
|-------------------------------------------------------------------|--------------|--------------|
| <i>Product Number</i>                                             | 273273       | 273271       |
| <i>MSDS Number</i>                                                | 23529        | 23529        |
| API Gravity                                                       | 23.9         | 23.0         |
| Viscosity, Kinematic<br>cSt at 40°C<br>cSt at 100°C               | 29.5<br>4.37 | 64.0<br>6.48 |
| Viscosity, Saybolt<br>SUS at 100°F<br>SUS at 210°F                | 154<br>41    | 338<br>48    |
| Viscosity Index                                                   | 7            | 12           |
| Flash Point, °C(°F)                                               | 168(334)     | 179(354)     |
| Pour Point, °C(°F)                                                | -40(-40)     | -38(-36)     |
| Dielectric Strength,<br>kV <sup>1</sup> (ASTM D877 <sup>2</sup> ) | > 30         | > 30         |
| Sealed Tube Stability<br>% R-22, 14 days                          | 0.30         | 0.60         |

- 1 Dielectric strength value applies only to "point of manufacture" of packaged products produced at a Chevron manufacturing facility. (Does not apply to bulk packaging). The oil will quickly lose its high dielectric strength value when exposed to contamination and to very small amounts of moisture and water.
- 2 Industry standard test method for measuring kV values is not precise and test results can differ significantly.

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.