



# CAPELLA® P 68

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## PRODUCT DESCRIPTION

Capella® P 68 provides effective wear protection for reciprocating, vane, and screw compressors in ammonia refrigeration systems, and systems using refrigerant R-22 and R-502.

## CUSTOMER BENEFITS

Capella P 68 delivers value through:

- **Minimum oil carryover** — Low volatility and good ammonia immiscibility which helps prevent oil reaching the evaporator, promoting refrigeration efficiency and minimizing maintenance. The low pour point and high viscosity index ensures that oil which does reach the evaporator will drain more rapidly than a naphthenic oil.
- **Minimal make-up oil required** — Minimal make-up oil is required because this product resists “carry-over” to the refrigeration system’s low temperature side.
- **Minimum sludging and formation of harmful deposits** in the high temperature environment of the compressor which promotes long equipment and lubricant life while minimizing maintenance.
- **Stable viscosity** — Group II base stock properties allow the oil to maintain a stable viscosity, staying in grade longer than a naphthenic refrigeration oil.
- **Effective protection for critical parts of the compressor** provided by high viscosity index, low foaming tendency, and inherent antiwear properties. The oil maximizes equipment life and life to overhaul by providing effective lubrication to all moving parts.
- **Long drain intervals** — Resistance to thermal degradation can allow customers to extend drain intervals.

## FEATURES

Capella P 68, formulated with Group II - base stocks, is designed to specifically address the requirements of ammonia refrigeration systems. Capella P 68 provides advantages over naphthenic refrigeration oils in the critical performance areas of lubrication, thermal stability, and reduction of oil carryover.

## APPLICATIONS

Although designed for use in ammonia refrigeration systems, Capella P 68 is also recommended for use in systems using refrigerant R-22 and R-502 - provided the evaporator temperature is above -32°C (-25°F). It is not recommended for systems using refrigerant R-12 or R-134a.

Capella P 68 is compatible with the seal elastomers commonly used in refrigeration compressors (e.g., Buna-N, chloroprene). Some Naphthenic refrigeration oils can compromise the integrity of certain seal elastomers. It is good maintenance practice to install new seal elastomers when replacing a naphthenic refrigeration oil. This is especially important when chloroprene (neoprene) seals are present.

Capella P 68 is registered by **NSF** and is 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.

Capella P 68 is recommended for use in **Vilter** and **Sabroe** refrigeration 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

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## TYPICAL TEST DATA

ISO Grade	68
<i>Product Number</i>	273227
<i>SDS Number</i>	23525
API Gravity	29.5
Viscosity, Kinematic cSt at 40°C cSt at 100°C	67.8 8.5
Viscosity, Saybolt SUS at 100°F SUS at 210°F	352 54
Viscosity Index	96
Flash Point, °C(°F)	230(446)
Pour Point, °C(°F)	-42(-44)
Dielectric Strength, kV	35

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

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