Capella® P 68
Refrigeration Compressor Oil

Product Data Sheet

Customer benefits

Reduced oil carryover

Low volatility and greater ammonia immiscibility help prevent oil from reaching the evaporator, promoting refrigeration efficiency and reduced maintenance. The low pour point and good viscosity index ensure that any oil which does reach the evaporator will drain more rapidly than a naphthenic oil.

Equipment and lubricant life extension

Reduced sludging and formation of harmful deposits in the high temperature environment of the compressor as compared to naphthenic oil. As a result, equipment life and lubricant life can be extended while reducing 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.

Protects critical parts

Effective protection for critical parts of the compressor provided by high viscosity index, low foaming tendency, and inherent antiwear properties.

Less make-up oil required

Significantly less make-up oil is required compared to naphthenics because this product resists “carryover” to the refrigeration system’s low temperature side.

Applications

- Rotary screw, reciprocating and rotary vane compressors in ammonia refrigeration systems
- Recommended for use in systems using refrigerant R-22 and R-502 provided the evaporator temperature is above -30°C

Not recommended for systems using refrigerant R-12 or R-134a.

Product features:

- **Capella® P 68** provides effective wear protection for reciprocating, vane, and screw compressors.
- **Capella® P 68** formulated with Group II paraffinic basestocks, 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.

Product specifications

CAPELLA®P 68 KEY PROPERTIES	
ISO Grade	68
Product Code	520459
Flash Point, ˚C	244
Pour Point, ˚C	-38
Viscosity,	
mm²/s @ 40˚C	68
mm²/s @ 100˚C	8.9
Viscosity Index	102
Breakdown Voltage, KV	35

1202

ENVIRONMENT, HEALTH and SAFETY

Information is available on this product in the Material Safety Data Sheet (MSDS) and Customer Safety Guide. Customers are encouraged to review this information, follow precautions and comply with laws and regulations concerning product use and disposal.

To obtain a MSDS for this product, visit: www.chevronlubricants.com.

Capella®P 68

Service considerations

Capella P 68 is compatible with the seal elastomers commonly used in refrigeration compressors (e.g., Buna-N, chloroprene). 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 certified 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 for appropriate use, ingredient review and labeling verification.

Produced by:
Chevron Lubricants
- Asia Pacific

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