

Capella[®] WF

Refrigeration Compressor Oil



Product description

Capella[®] WF is a high quality, essentially wax-free oil for the lubrication of refrigeration and air-conditioning compressors when refrigerants other than HFCs (hydrofluorocarbons) are used. Made from special, narrow-cut naphthenic base oils with an extremely low pour point and Freon Floc point.

Customer benefits and product features

Customer benefits

- **Helps reduce downtime**
Very low pour point and Freon Floc point helps prevent loss of fluidity or formation of wax deposits, for efficient evaporator operation, and cleanliness of equipment lines and refrigerant control devices. Excellent lubricity helps guard against wear of compressor components.
- **Helps prolong compressor and seal life**
Excellent thermal stability helps minimise the formation of gum, varnish and sludge deposits.
- **Prolong oil service life**
Excellent oxidation resistance helps reduce oil thickening and deposit formation, contributing to extended oil change intervals.
- **Helps reduce costs**
Suitability for use with a wide range of refrigerants, helps minimise inventory and helps reduce the chance of misapplication.

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Applications

- Reciprocating and rotary refrigeration compressors
- Air conditioning systems
- Refrigeration systems using chlorofluoro-carbons (CFCs)
- Refrigeration systems using ammonia, hydrochlorofluorocarbons (HCFCs), carbon dioxide, sulfur dioxide or ethylene chloride

For systems containing HFC refrigerants such as HFC 134a, Capella[®] HFC is recommended. For large ammonia refrigeration systems, Chevron Capella[®] P or Caltex Capella[®] A may provide superior performance.

Capella[®] WF is not recommended for use in breathing air compressors.

Product approvals, performance and recommendations

Performance standards

- British Standard BS 2626:1992, Type A Lubricant
- APV - Baker (ISO VG 68)
- Bitzer Kuhlmaschinenbau (ISO VG 32, 46, 68)
- Bock
- Carrier (ISO VG 32)
- Copeland (ISO VG 32)
- Gram (ISO VG 68)
- Grasso (ISO VG 68)
- Linde
- McQuay (ISO VG 68)
- Mycom (ISO VG 32, 46)
- Sabroe (ISO VG 68)
- ABB Stal Refrigeration AB
- Sullair (ISO VG 68)
- Technofrigo Dell'Osto (ISO VG 68)
- York (ISO VG 32, 68)

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Typical test data

CAPELLA [®] WF KEY PROPERTIES	RESULT		
ISO Grade	32	46	68
Product Code	520401	520403	520404
Acid No., mg KOH/g	0.01	0.01	0.01
Flash Point, COC,	186	194	198
Freon Floc Point,	-60	-55	-50
Pour Point,	-39	-36	-30
Viscosity,			
mm ² /s @ 40°C	31.0	46.8	65.0
mm ² /s @ 100°C	4.5	5.6	6.7
Viscosity Index	9	20	24
Breakdown Voltage, KV min	40	40	40

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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 the Product Information Center.

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