Capella® WF

Description

Capella® WF is a premium-quality oil for the lubrication of compressors used in refrigeration and air-conditioning systems. Capella WF is recommended for use with ammonia, carbon dioxide and halogenated refrigerants. Capella WF is manufactured from naphthenic base oils selected to meet refrigeration compressor manufacturer's requirements. It has low carbon and deposit forming tendencies. Capella WF has particularly good low temperature properties and is specially treated to obtain a high stability against halogenated refrigerants. Capella WF is dehydrated and packaged to resist moisture.

Typical Characteristics

ISO Viscosity Grade	68
Code	**041562**
Density at 15°C, kg/l	0.91
Flash point, COC, °C	198
Pour point, °C	–36
Viscosity, kinematic, mm²/s (cSt)	
at 40°C	68.0
at 100°C	6.8
Viscosity index	22

Recommended Uses

Capella WF is recommended for use in ammonia, methylchloride, carbon dioxide and Freon cooling compressors. The oil may also be used for other applications requiring a low pour point lubricant. Capella WF satisfies the low temperature requirements of fluorinated hydrocarbon refrigeration systems with minimum evaporator temperatures of –45°C (R12), –35°C (R22) and –25°C (R502). The recommended minimum evaporator temperature for Capella WF oils in ammonia systems is –50°C. Capella WF oil fully meets the DIN 51503 standard and the British Standard Specification BS 2626/1977. Capella WF oil received approvals from the following: APV-Baker, Bitzer, Bock, Carrier, Copeland, Gram, Grasso, Linde, McQuay, Mycom, Sabroe, Stal AB, Sullair, Technofrigo Dell'Orto, Trane, York.

Performance Benefits

1. Low Wax Content

Has a low Freon floc temperature and pour point. It does not 'wax-out' under the low temperature conditions typically encountered in modern refrigeration systems.

2. Low Moisture Content

Prevents harmful amounts of moisture, thus preventing corrosion, refrigerant decomposition and ice formation in the expansion valves. Electrical leakage from the windings of the compressor motor in sealed units is avoided.

3. Chemically Stable in Presence of Refrigerants

Specially refined to be chemically stable in the presence of ammonia and fluorinated hydrocarbons such as R12 and R22. Capella WF has a very low tendency for varnishing and sludge formation.