



marine products

Capella[®] HFC



Description

Capella[®] HFC is a premium-grade, fully synthetic oil for the lubrication of compressors used in refrigeration and air conditioning systems. Capella HFC is blended exclusively with specially selected polyolesters. It has a high viscosity index ensuring a good lubricity over a wide temperature range.

Typical Characteristics

	Capella HFC 32	Capella HFC 55	Capella HFC 100
ISO Viscosity Grade	32	46/68	100
MPID	219405	219411	219404
Density 15°C, kg/l	1.00	1.01	0.97
Flash Point, COC, °C	>240	>270	>260
Pour Point, °C	-57	-51	-30
Viscosity, kinematic			
mm ² /s @ 40°C	32.0	53.0	100.0
mm ² /s @ 100°C	5.7	8.4	11.4
Viscosity Index	119	132	100
Acid No., mg KOH/g	0.03	0.03	0.03

Recommended Applications

Capella HFC lubricants have been developed in cooperation with major refrigerant compressor manufacturers worldwide, specifically for use with chlorine-free hydrofluorocarbon (HFC) refrigerants, such as R134a, R404a, R410a or R507, etc. The product series are especially suited for the first-fill and retrofit lubrication of refrigeration compressors in provision and industrial refrigeration plants, as well as in air-conditioning systems and heat pump equipment.

Capella HFC grades are not recommended for use in ammonia refrigerating systems, where Capella WF or Capella A are recommended instead.

Note: Capella HFC lubricants readily absorb moisture from the ambient air, which can cause system performance problems. Capella HFC packages should be kept sealed until time of use and should not be reused once opened.

Capella HFC Meets The Requirements Of:

DIN 51503-1 Groups KC, KD, KE

Capella HFC Is Recommended For Use In:

Bitzer
 Bock
 Dorin
 GEA
 Grasso
 Sabro

ABB Stal Refrigeration AB
 Sulzer
 Ushio Reinetsu
 Carrier
 York

**marine products****Performance Benefits****1. Efficient, Trouble-free Operation**

Exhibits excellent oil-refrigerant miscibility properties with HFC-refrigerants over a wide range of operating temperatures, which helps ensure adequate lubrication of the compressor bearings and to facilitate oil return from the refrigeration system.

2. Minimum Downtime

Provides excellent thermal and chemical stability in the presence of hydrofluorocarbon (HFC) refrigerants. Demonstrated excellent compressor cleanliness with absence of any copper transfer in numerous compressor tests.

3. Lower Maintenance Costs

High resistance to oxidation, even at high operating temperatures, which helps guarantee a long service life. Provides excellent lubricity, even in the presence of refrigerants.



Disclaimer. Data provided in this PDS is based on standard tests under laboratory conditions and is indicative only. Minor variations which do not affect product performance are expected in normal manufacturing. This product should not be used for any purpose other than those expressly set out in this PDS. The user has sole responsibility for verifying that this product is suitable for the user's intended application. Recommendations differ between engine manufacturers so always consult your manual. Neither Chevron nor its subsidiaries make any warranty or representation as to the accuracy or completeness of this PDS and neither Chevron nor its subsidiaries accept liability for any loss or damage suffered as a result of the use of this product other than in accordance with the terms of this PDS. (January 2024)