



marine lubricants

Capella[®] HFC



Description

Capella HFC oils are premium grade fully synthetic oils for the lubrication of compressors used in refrigeration and air conditioning systems. Capella HFC oils are blended exclusively with specially selected polyol esters (POE).

Typical Characteristics

	Capella HFC 32	Capella HFC 55	Capella HFC 68	Capella HFC 100
ISO Viscosity Grade	32	55	68	100
MPID	219405	219411	219431	219404
Density 15°C, kg/l	1.00	1.01	0.97	0.97
Flash Point, COC, °C	>240	>240	>240	>240
Pour Point, °C	-57	-48	-39	-30
Viscosity, kinematic				
mm ² /s @ 40°C	32	55	68	100
mm ² /s @ 100°C	6.1	8.8	8.9	11.4
Viscosity Index	141	137	104	100
Acid No., mg KOH/g	0.03	0.03	0.03	0.03

Recommended Applications

Capella HFC oils have been developed in cooperation with major refrigerant compressor manufacturers worldwide, especially suitable for non-ozone depleting FC/HFC refrigerants, such as R134a, R404A, R507, R410A, R407C. Also suitable for hydrocarbon refrigerants (example: propane, polypropylene, isobutane, ...) and HFO/HFC refrigerants. 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 oils are not recommended for use in ammonia refrigerating systems, where Capella WF or Capella A are recommended instead.

Note: Capella HFC oils 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:

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|--|----------------------------------|
| ✓ Bitzer | ✓ JCI Sabro |
| ✓ Dorin | ✓ JCI (Stal) |
| ✓ GEA (Bock) | ✓ Refcomp (VG 32, 55, 68) |
| ✓ GEA (Grasso) (VG 55, 68, 100) | Sulzer |
| ✓ Hi-Air Korea | |



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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. (September 2020)