



marine products

Capella® Low Temp AB 68

Formerly known as Refrigeration Oil Low Temp



Description

Capella® Low Temp AB is a synthetic refrigeration compressor oil based on alkylbenzene components of the branched type. The product is recommended for use with ammonia (R717) and systems using older chlorofluoro- and hydrochlorofluorocarbon (CFCs & HCFCs - freon) refrigerants. It is suitable for a wide temperature range, including installations with very low evaporating temperatures, where mineral based products do not perform adequately.

Typical Characteristics

ISO Viscosity Grade	68
MPID	219828
Density 15 °C, kg/l	0.87
Flash Point, °C	190
Pour Point, °C	42
Viscosity, kinematic mm ² /s @ 40°C	68.0
Floc point (R50), °C	58
Floc point (R12), °C	<-73

Recommended Applications

Capella Low Temp AB can be applied in screw and piston compressors in refrigeration and air-conditioning systems filled with ammonia (R717) and systems using older CFC (chlorofluorocarbon, such as R12 and R502) and HCFC (hydrochlorofluorocarbon, such as R22) refrigerants.

Capella Low Temp AB is particularly recommended in case of high compressor discharge temperatures and/or very low evaporator temperatures - temperatures below -35°C with R22, -25°C for R502.

For systems containing hydrofluorocarbon (HFC) refrigerants such as R134a, R404a, R507, etc., Capella HFC is recommended instead.

Capella Low Temp AB Is approved for:

- | | |
|--|--|
| <input checked="" type="checkbox"/> Bock R22 (CFC) and R717 (ammonia) | <input checked="" type="checkbox"/> Mycom (Mayekawa) R717 (ammonia) |
| <input checked="" type="checkbox"/> Howden Compressors R717 (ammonia) | <input checked="" type="checkbox"/> Sabroe R717 (ammonia) |

Capella Low Temp AB Is suitable for use in:

- | | |
|---|--|
| <input checked="" type="checkbox"/> Bitzer* | <input checked="" type="checkbox"/> Dorin*, Danfoss* Tamrotor Marine Compressor |
| <input checked="" type="checkbox"/> Carrier* | <input checked="" type="checkbox"/> Necchi/ERC* |
| <input checked="" type="checkbox"/> Thermoking | |

* approved under former name Refrigeration Oil Low Temp 68



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Performance Benefits**1. Wide operating temperature window**

Compared to mineral based refrigerating oils Capella Low Temp AB deploys higher thermal stability and lower volatility, which makes the product the better choice in case of high compressor discharge temperatures. At the same time, the low pour point and very low floc points enable lower minimum evaporator temperature over mineral based refrigerants.

2. Extended lifetime and lower maintenance cost

The thermal stability and lower volatility over mineral based refrigerating oils result in longer service life and reduced lubricant carry-over to the evaporator, where the higher solvency promotes improved system cleanliness. The formulation is free of additives which prevents the production of sludge caused by ammonia soap formation, critical for ammonia refrigeration systems.

3. Optimum lubrication

The product is miscible with CFC and HCFC refrigerants and maintains lubricity. It is formulated to protect cast iron and remains stable in the presence of CFC and HCFC as well as with ammonia.

Environment, Health and Safety

Information is available on this product in the Safety Data Sheet (SDS) 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 an SDS for this product visit chevronmarineproducts.com.



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.