



Capella[®] A 68

Ultra high performance compressor fluids

Customer benefits

Long-term, high stability performance

Capella A 68 delivers fully synthetic technology and performance to high output refrigeration compressors running with ammonia refrigerants in very low temperature evaporator environments.

With a very low pourpoint of down to -57°C , Capella A 68 is completely additive-free and delivers exceptional thermal stability and oxidation resistance across a very wide temperature range. This advanced technology fluid is highly stable in the presence of ammonia, maximising oil film integrity and equipment wear protection, reducing maintenance and service periods.

Capella A 68's high viscosity index performance provides excellent low viscosity at low temperature start up, maximising energy efficiency, and goes on to maintain this stable low viscosity right up to discharge temperatures in excess of $+100^{\circ}\text{C}$, optimising oil film performance and wear protection in severe operating conditions, over very long operating periods.

Performance beyond conventional capabilities

Capella A 68 offers very low volatility performance when compared with conventional straight mineral refrigerants, significantly reducing oil consumption. This advanced and highly stable chemical stability also considerably improves heat transfer performance by maximising refrigeration fluid integrity through significantly reducing oil transfer to the refrigerant.

Product features

Capella A 68 redefines refrigeration compressor lubrication performance in arduous very low temperature situations, reducing downtime and maintenance costs and maximising protection over very long service periods.

Applications

- Recommended for use in refrigeration and airconditioning systems using ammonia refrigerants, and requiring lubricants with excellent low temperature characteristics; particularly suitable for reciprocating and screw compressors operating at discharge temperatures exceeding +100°C.
- Capella A 68 oil satisfies low temperature requirements of ammonia refrigeration systems with minimum evaporator temperatures of 60°C.

Approvals, performance and recommendations

Approvals

- ABB Stal Refrigeration AB
- Sabroe
- Broedrene Gram

Performance

- DIN 51.503
- BS 2626/1992

Typical test data		
Test	Test methods	Results
Viscosity Grade		68
Density 15°C, kg/l	ASTM D1298	0.834
Kin. Viscosity 40°C, mm ² /s	ISO 3104	68.7
Kin. Viscosity 100°C, mm ² /s	ISO 3104	10.6
Viscosity Index	ISO 2909	140
Neutralization Nr, mg KOH/g	DIN 51558/1	0.01
Flash Point COC, °C	ISO 2592	260
Pour Point, °C	ISO 3016	-57

The information given in the typical data does not constitute a specification but is an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved. This supersedes all previous editions and information contained in them.

Disclaimer Chevron accepts no liability for any loss or damage suffered as a result of using this product for any application other than applications specifically stated in any Product Data Sheets.

Health, safety, storage and environmental Based on current available information, this product is not expected to produce adverse effects on health when used for the intended application and in accordance with the recommendations provided in the Material Safety Data Sheet (MSDS). MSDSs are available upon request through your local sales office, or via the Internet. This product should not be used for purposes other than its intended use. When disposing of used product, take care to protect the environment and follow local legislation.

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