



marine lubricants

# Capella® WF 32, 68



## Description

Capella® WF is a high-quality essentially wax-free oil for the lubrication of compressors used in refrigeration and air-conditioning systems. The product series are recommended for use with ammonia, carbon dioxide and halogenated refrigerants.

Capella WF is manufactured from naphthenic base oils selected to meet refrigeration compressor manufacturers' requirements. The product series offers particularly good low temperature properties and high stability, minimizing varnish and sludge formation over extended operating periods.

Capella WF is dehydrated and packaged to resist moisture.

## Typical Characteristics

ISO Viscosity Grade	32	68
MPID	219356	219354
Density 15°C, kg/l	0.91	0.91
Flash Point, °C	168	179
Pour Point, °C	-39	-33
Viscosity, kinematic		
mm <sup>2</sup> /s @ 40°C	30	64
mm <sup>2</sup> /s @ 100°C	4.4	6.5
Viscosity Index	6	13
Acid No., mg KOH/g	0.03	0.03
Floc point, °C	-50	-50

## Recommended Applications

Refrigeration compressor oil recommended for use with ammonia, carbon dioxide and chlorofluoro- and hydrochlorofluoro carbons (CFCs & HCFCs — freon) as well as sulfur dioxide and ethylene chloride refrigerants.

Capella WF product series delivers very low freon floc and pour point performance and offers chemically stable performance in presence of ammonia and fluorinated hydrocarbons. For this they make an excellent choice for ammonia systems with the minimum evaporator temperature as low as -50°C (provided evaporator hot flush capability), and fluorinated hydrocarbon refrigerants with minimum evaporator temperatures of -45°C (R12), -35°C (R22) and -25°C (R502) respectively.

For ammonia systems with minimum evaporator temperatures of -60°C, Capella A is recommended.

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



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### Capella WF Meets The Requirements Of:

- ✓ **DIN** 51503
- ✓ **British Standard** BS 2626:1992 type A

### Capella WF Is Recommended For Use In:

- |                           |                                     |
|---------------------------|-------------------------------------|
| ✓ <b>Bitzer</b>           | ✓ <b>Matsushita</b>                 |
| ✓ <b>Bock</b>             | ✓ <b>Mc Quay</b>                    |
| ✓ <b>Carrier</b>          | ✓ <b>Mycom</b> NH3 – screw & piston |
| ✓ <b>DWM Copeland</b>     | ✓ <b>Robert Bosch</b>               |
| ✓ <b>Dorin</b>            | ✓ <b>Sabroe</b>                     |
| ✓ <b>Broedrene Gram</b>   | ✓ <b>ABB Stal Refrigeration AB</b>  |
| ✓ <b>Grasso</b>           | ✓ <b>Sullair</b>                    |
| ✓ <b>Heinrich Huppman</b> | ✓ <b>Sulzer</b>                     |
| ✓ <b>J &amp; E Hall</b>   | ✓ <b>Tecumsec</b>                   |
| ✓ <b>Kelvinator</b>       | ✓ <b>Trane</b>                      |
| ✓ <b>Linde</b>            | ✓ <b>York</b>                       |

### Performance Benefits

#### 1. Efficient, Trouble-free Operation

Extremely low pour point and freon floc point (below -50°C) enable fluidity without wax or deposit formation at very low minimum evaporator temperature, even with low solvency of the lubricating oil in the refrigerant. This further contributes to evaporator efficiency and cleanliness of the flow lines.

Low moisture content helps prevent icing in refrigeration expansion valves and delivers maximum corrosion protection.

#### 2. Minimum Downtime

Robust thermal and oxidation stability protect against in-service oil thickening and minimize formation of harmful gum, varnish and sludge in the system, helping to ensure extended drain intervals.

#### 3. Lower Maintenance Costs

Reliable lubricity helps protect against vulnerable component wear, reducing maintenance downtime and costs. The product is further compatible with a wide range of refrigerants, helping reduce inventories and potential misapplications.



**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. (May 2019)