Capella WF

High performance refrigeration compressor fluids

Product description

Capella® WF refrigeration compressor oils are a range of high performance fluids designed for the lubrication of compressors used in refrigeration and air conditioning systems.

Capella WF oils are blended exclusively with specially selected naphthenic pale oils and advanced temperature stability additive systems to help deliver robust performance at very low evaporator temperatures.

Customer benefits

- Formulated to deliver high performance thermal stability in the very low temperature conditions encountered in latest-generation refrigeration and air conditioning compressors.
- Promotes stable compressor operation over extended service intervals with minimal downtime.
- Designed for chemically stable performance in the presence of ammonia and fluorinated hydrocarbons such as R12 and R22, helping to reduce varnish and sludge formation over long operating periods.
- Formulated to help minimise water content, contributing to corrosion protection, ice-free operation, and extended equipment service life.
- Supports efficient system cleanliness and long-term lubricant stability.

Product highlights

- **Designed for very low temperature system performance**
- **Promotes reliable system operation**
- **Helps reduce varnish and sludge formation over long operating periods**
- **Offers reliable compressor cleanliness and protection**

Selected specification standards include:

Sulzer	Bitzer
Tecumsec	Carrier
York	Sabroe
J & E Hall	Belgium Daikin
Robert Bosch	Heinrich Huppman
Dorin	Matsushita
Trane	DWM Copeland
Kelvinator Inc	

Applications

- Capella WF oils are recommended for refrigeration compressors and air conditioning systems operating with fluorinated hydrocarbon refrigerants or ammonia. They are suitable for systems running on refrigerants where minimum evaporator temperatures reach approximately –45°C (R12), –35°C (R22) and –25°C (R502).
- These fluids are designed to help provide reliable operation in industrial refrigeration, commercial systems, and air conditioning equipment across a range of temperature conditions.

Approvals, performance and suitable for use

Approvals

- Bitzer
- Carrier
- J & E Hall
- Sabroe
- Sulzer
- Tecumseh
- York

Performance

- DIN 51. 503 standard
- BS 2626:1992, Type A Lubricants
- NATO standard VV-L-825

Suitable for use

- Carrier
- Daikin (Belgium)
- Dorin (Italy)
- DWM Copeland (US)
- Heinrich Huppman (Germany)
- Kelvinator Inc (US)
- Matsushita (Japan)
- Robert Bosch (Germany)
- Trane

Typical test data

Test	Test methods	Results	
Viscosity Grade		**32**	**68**
Visc. Kinematic at 40°C	ISO 3104	30	68
Visc. Kinematic at 100°C	ISO 3104	4.4	6.7
Colour	ISO 2049	0.5	<1.5
Flash Point, °C	ISO 2592	178	198
Pour point, °C	ISO 3016	-45	-36
Density, 15°C, Kg/l	ASTM D0941	0.906	0.915

The typical test data set out above does not constitute a specification. It is indicative only and can be affected by allowable production tolerances. Chevron may modify this test data. Modified data will supersede all previous data, so please ensure you refer to the latest version of this Product Data Sheet (PDS).

When disposing of used product, take care to protect the environment and follow local legislation.

Safety Data Sheets (SDS's) are available for all Chevron products. If you require a SDS or any further information regarding a Chevron product, please contact your local sales office or see www.texacolubricants.com.

Always confirm that the product selected is consistent with the original equipment manufacturer's recommendation for the equipment operating conditions and customer's maintenance practices.

A Chevron company product