



PRODUCT DATA SHEET

GulfSea AB Cooil Series

High Performance Fully Synthetic Refrigeration Compressor oil

Product Description

GulfSea AB Cooil series are high performance fully synthetic refrigeration compressor oils specially designed to meet the stringent requirements of most modern refrigeration and air conditioning systems from major equipment manufacturers. These oils are formulated from the highest quality dialkyl benzene base fluids and provide excellent protection against oxidation degradation, wear and rust & corrosion. These oils are specifically designed for refrigeration systems using non-hydrofluorocarbon refrigerants such as R-11, R-12, R-13B1 R-22, R-113, R-500, R-501, R-502, etc. These oils exceed the performance requirements of DIN 51503 KC.

Features & Benefits

- Excellent thermo-oxidative stability controls deposits in evaporator tubes, improves heat transfer and improves oil life resulting in improved equipment reliability, availability and efficiency.
- Very good solubility with refrigerants over a wide range of operating temperature.
- Excellent wear and rust protection results in reduced maintenance costs and longer equipment life.
- Completely wax free and lower pour point prevents blockage and ensures smooth operation.
- Excellent high temperature and chemical stability.
- Compatible with materials of construction and elastomers commonly used in the refrigeration system (e.g. Mylar, Polypropylene, Viton, Buna-N, Neoprene, Nylon, etc).

Applications

- Mobile air conditioning, domestic refrigeration, residential and commercial air conditioning and heat pump, commercial refrigeration including transport refrigeration, Industrial refrigeration (reciprocating and rotary units).
- Marine refrigeration applications line food freezing and cold storage plants.
- Suitable for use with most fluorocarbon and other refrigerant gases like R-11, R-12, R-13B1 R-22, R-113, R-500, R-501, R-502, etc in compressors where such quality oils are recommended.
- **NOTE** : These oils are not recommended for use with R-134a.



Marine

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Typical Properties

GulfSea AB Cooil Series			
		55	100
ISO Viscosity grades		-	100
Typical Properties			
Test Parameters	ASTM Method	Test Values	
Specific Gravity, @ 15.6°C	D1250	0.87	0.86
Kinematic viscosity, @ 40 °C, cSt	D445	47	85-100
Flash Point, °C	D92	185	>185
Floc Point, °C (ASHRAE 86)		-65	<-55
Pour Point, °C	D97	-45	<-30
Water, ppm	D1533	45	40
Dielectric Strength, kV	D877	45	>30
Color	D1500	<0.1	<1.0
Total Acid No, mg KOH/g	D974	0.01	<0.02

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