

SABROE® AP68

Synthetic Refrigeration Oil



Product Description

SABROE AP68 Synthetic Refrigeration Oil is a fully synthetic lubricant formulated using wax free, synthesized hydrocarbons of polyalphaolefin (PAO) and synthetic Alkylbenzene base oils which have demonstrated outstanding resistance to thermal/oxidative degradation. Even in the worst operating conditions, this oil will reduce sludge and deposit formation, hence avoiding or minimizing filter clogging.

Features and Benefits

- Superior thermal stability
- Good seal compability
- Solvency
- Very low pour point
- Low volatility
- Long oil life, extended drain intervals, less maintenance costs
- Limited risk of leakage when changing from mineral oil
- Cleaning effect, especially when switching from mineral oil technology
- Enables lower evaporating temperatures, easier oil drainage
- Reduced need of oil top-up, avoids viscosity build-up

Applications

SABROE AP68 Synthetic Refrigeration Oil is particularly suited for use in ammonia compressors with evaporative temperatures as low as -50°C, and due to the good compatibility with rubber seals it is preferable to compressors that have previously been lubricated with mineral oils.

Typical Properties

Test Procedure	Typical	Test Method
Viscosity @ 40°C, cSt	64	ASTM D445
Viscosity @ 100°C, cSt	8.5	ASTM D445
Viscosity Index	103	ASTM D2270
Specific Gravity, g/ml	0.85	ASTM D4052
Pour Point, °C	<-50	ASTM D97
Flash Point, °C	211	ASTM D92
Acid no., mg KOH/g	0.01	ASTM D974

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