

SABROE® PAO100

Synthetic Refrigeration Oil



Product Description

SABROE PAO100 Synthetic Refrigeration Oil is a fully synthetic lubricant formulated using wax free, synthesized hydrocarbons of polyalphaolefin (PAO) which have demonstrated outstanding resistance to thermal/oxidative degradation. Even in the worst operating conditions, this oil will reduce sludge and deposit formation and is remarkable for a very low oil carryover. This oil is miscible with most conventional mineral refrigeration oils. This may however detract from the outstanding performance properties.

Features and Benefits

- Superior thermal stability
- Low carry-over
- Wax free
- Very low pour point
- Low volatility
- Improves evaporator efficiency
- Excellent low temperature fluidity, no wax deposits
- Enables lower evaporating temperatures, easier oil drainage
- Reduced need of oil top-up, avoids viscosity build-up

Applications

SABROE PAO100 Synthetic Refrigeration Oil is particularly suited for use in ammonia compressors with high operating temperatures and/or systems with very low evaporative temperatures.

SABROE PAO100 is Food Grade registered by NSF International with Category Code H1.

SABROE PAO100 is also suitable for certain HCFC (R22) applications taking the drop of viscosity into account.

Typical Properties

Test Procedure	Typical	Test Method
Viscosity @ 40°C, cSt	97	ASTM D445
Viscosity @ 100°C, cSt	13.7	ASTM D445
Viscosity Index	147	ASTM D2270
Specific Gravity, g/ml	0.84	ASTM D4052
Pour Point, °C	-45	ASTM D97
Flash Point, °C	255	ASTM D92
Acid no., mg KOH/g	0.03	ASTM D974

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