



Hankook Lube Oil Inc.

Add 557-8 Pureundeulpan-ro, Paltan-myun, Hwasung-si, Kyunggi-do, KOREA Tel 82-31-357-5795/6 e-mail pswskj11@naver.com

SZC Synthetic NH Series

Product Description

SZC Synthetic NH Series are a full synthetic oils(PAO and Alkylbenzene) based ammonia refrigeration compressor oil used in industrial systems, which have demonstrated outstanding resistance to thermal and oxidative degradation. Even in the worst operating conditions, SZC Synthetic NH Series will reduce sludge and deposit formation, hence avoiding or minimizing valve or filter plugging.

Features

Very low temperature performance

Low volatility

Superior thermal and oxidation

Solvency

Good compatibility with seals previously used with mineral oil

Advantages and Potential Benefits

Enables evaporator temperature below conventional mineral oils.

Reduces oil consumption and maintenance costs.

Long life compared to mineral lubricant, inducing extended drain intervals and less routine maintenance. In turn reduction of maintenance costs.

Improves system efficiency and performance.

Limited risk of oil leakage.

Application

Ammonia refrigeration compressors used in large commercial operations.

- Reciprocating and rotary refrigeration compressor.
- Food freezing and cold storage plants.
- Marine refrigeration applications.
- Ammonia refrigerant, but also used with selected halocarbons.

Typical Properties

Test Item		ASTM	DIN	NH 32	NH 46	NH 68
Density, g/cm ³ (15°C)		D 1298	-	0.841	0.845	0.847
Viscosity, mm ² /s	@40°C	D 445	-	31.4	44.6	65.9
	@100°C			5.65	7.16	9.81
Viscosity Index		D 2270	-	120	122	131
Pour Point, °C		D 97	-	-60	-57	-54
Flash Point, °C		D 92	51376	240	250	260
Foam Characterists, ml		D 892	51566	0 / 0	0 / 0	0 / 0
Sequence I						
Sequence II						
Sequence III						
Total Acid Number, mgKOH/mg		D 974	51558	< 0.1	< 0.1	< 0.1

The typical properties may be changed without notice.

Health and Safety

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendation provided in the Material Safety Data Sheet(MSDS) is followed. This product should not be used for purpose other than its intended use. If disposing of used product, take care to protect the environment.