

NEXT 717-100-SYN

Synthetic Ammonia Compressor Oil

NEXT 717-100-SYN is a polyalphaolefin (PAO) based compressor oil that has been specifically formulated for use in high pressure ammonia heat pumps.

Through the use of highly stable PAO base oils, NEXT 717-100-SYN will offer a lower oil carryover rates than mineral oil as well as formulations composed of PAO/AB blends. Also Available in ISO 150.



Applications

- High pressure ammonia heat pumps.

Gases

- Ammonia (R-717)

Benefits

- Meets DIN 51503 (KAA) requirements
- Superior low temperature fluidity and oil return properties
- Very low oil carryover rates
- Excellent seal compatibility
- Minimizes defrost cycles
- Long oil life
- Clean running formulation
- Wax-free



Specifications

	NEXT 717-100-SYN
ISO Viscosity Grade	100
Viscosity @ 40 °C (cSt)	100
Viscosity @ 100 °C (cSt)	14.3
Viscosity Index	149
Density g/cm ³ @ 15 °C	0.82
Pour Point (°C)	-57
Flash Point (°C)	264
Colour (ASTM 1500)	0

Values included in this TDS are typical and do not constitute a specification. Manufacturing specifications are available upon request. Minimum operating temperatures are based on low temperature viscosity measurements and refrigerant miscibility data. Consult a Next Lubricants representative for operations below the pour point of the oil. It is recommended that routine oil analysis tests be performed to properly assess the condition of the oil. Verify that this TDS is the most UpToDate version, specifications are subject to change due to possible formulation and raw material changes.

