

Next 717-SYN

Synthetic Ammonia Compressor Oil

Next 717-SYN is a polyalphaolefin (PAO) based compressor oil that has been specifically formulated for use in ultra-low temperature ammonia refrigeration systems. Through the use of highly stable PAO base oils, Next 717-SYN will offer a lower oil carryover rates than mineral oil as well as formulations composed of PAO/AB blends.

This formulation is ideal for systems operating at low temperature or in systems experiencing oil return issues. Available in ISO 46 & 68



Applications

- Reciprocating compressors
- Rotary screw compressors

Gases

- Ammonia (R-717), for use in applications down to -57 °C

Approvals

- GEA, Mayekawa (Mycom)

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 717-46-SYN	Next 717-68-SYN
Viscosity @ 40 °C (cSt)	46,2	64
Viscosity @ 100 °C (cSt)	7,8	10.2
Viscosity Index	139	145
Density g/cm ³ @ 15 °C	0,83	0.83
Pour Point (°C)	-60	-57
Flash Point (°C)	262	264
Colour (ASTM 1500)	0	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.

