TECHNICAL DATA SHEET

NEXT 717-68

Ammonia Refrigeration Lubricant

NEXT 717-68 is a two-stage hydrocracked mineral ammonia refrigeration lubricant formulated for industrial cold storage and food processing refrigeration service. Its ultra-pure base fluids deliver exceptionally low lubricant carryover and excellent low-temperature fluidity for improved oil return and thermal transfer efficiency.

OEM approved by GEA, Mayekawa (Mycom), Howden, and Bitzer, and compliant with DIN 51503-KA. Also available as 717-68-SC (with seal conditioner) and 717-68-FG (food grade).

APPLICATIONS

- Industrial ammonia refrigeration
- Cold storage and freezer facilities
- Food and beverage processing

GASES

- Ammonia R-717 (down to −45 °C)
- OEM approved: GEA, Mycom, Howden, Bitzer
- DIN 51503-KA compliant

BENEFITS

- Exceptionally low lubricant carryover
- Excellent low-temperature fluidity and oil return
- Improved thermal transfer efficiency
- Excellent wear and corrosion protection
- Extended service life
- Available as -SC (seal conditioner) and -FG (food grade)

TECHNICAL SPECIFICATIONS

Typical properties

	717-68	717-68-SC	717-68-FG
Viscosity @ 40 °C (cSt)	62	61.5	62
Viscosity @ 100 °C (cSt)	8.61	8.52	8.55
Viscosity Index	110	109	111
Density @ 15 °C (g/cm³)	0.85	0.85	0.85
Pour Point (°C)	-42	-42	-42
Flash Point (°C)	248	247	246
Colour (ASTM 1500)	0	0	0

NOTE

Values in this Technical Data Sheet are typical and do not constitute a specification. Manufacturing specifications are available on request. Minimum operating temperatures are based on low-temperature viscosity and refrigerant miscibility data; consult NEXT Lubricants for operations below the pour point. Routine oil analysis is recommended to assess the in-service condition of the lubricant. Specifications are subject to change due to formulation or raw-material updates; always verify that this TDS is the most current version.