

NXT 717-HE

High-Efficiency Ammonia Refrigeration Compressor Lubricant

NXT 717-HE is a high-efficiency ammonia refrigeration compressor lubricant specifically designed to lower energy consumption in compressors. This formulation utilizes the next generation of 2-stage hydrocracked basestocks and advanced additives to ensure outstanding performance and fluid life. The enhanced oxidative stability of NXT 717-HE helps to extend oil life. The advanced additive package controls and prevents corrosion of system components.

Increased Low-Temperature Fluidity & Improved Energy Savings: NXT 717-HE remains mobile at extreme cold temperatures, preventing clogging and build-up inside narrow evaporator passages.

Reduced Oil Carryover to Evaporators, Extended Fluid Life & Protection: Extremely low volatility and solubility in ammonia systems ensure that NXT 717-HE reduces oil carryover. This causes the evaporator to operate more efficiently and at a higher capacity.

ATTRIBUTES

- Improved energy savings: Can help lower energy consumption by up to 1.5%
- Low volatility: Resulting in reduced carryover to evaporators
- Thermal and oxidative stability: Promotes longer fluid life and extended oil-drain intervals
- High viscosity index: Superior pumpability at lower temperatures and better protection at high temperatures
- Excellent film strength and anti-wear properties: For better protection of compressor parts
- High flash and auto-ignition points: For added safety
- Low solubility with ammonia
- Protects against rust, corrosion, carbon and varnish

TYPICAL LUBRICANT PROPERTIES

NXT 717-HE Grades	46
Viscosity Index	103
Viscosity cSt @ -40°C	166166
Viscosity cSt @ -20°C	3443.7
Viscosity cSt @ 0°C	495.1
Viscosity cSt @ 40°C	41.9
Viscosity cSt @ 100°C	6.7
Demulsibility, 54.4°C, 30 Min	40/40/0
Copper Corrosion, 24 Hr	1a
Typical Pour Point °F (°C)	-47 (-44)