

Synthec 717, 717LT, & 717XLT

2-Stage Hydrocracked Ammonia Refrigeration Compressor Fluid

Synthec 717, Synthec 717LT and Synthec 717XLT represent the next generation of 2-stage hydrocracked ammonia refrigeration lubricants. These lubricants utilize an enhanced version of the technology used by most OEMs. They offer lower solubility with ammonia, less oil carryover and better pumpability, even under extremely low-temperature conditions.

Synthec 717, Synthec 717LT, and Synthec 717XLT are also completely top-off compatible with most normal paraffinics, naphthenics, alkylbenzenes, PAOs, and single-stage hydrocracked products.

ATTRIBUTES

- Specifically designed for use in ammonia refrigeration compressors
- Very low volatility, resulting in less carryover to the evaporators
- Excellent thermal and oxidative stability leading to longer fluid life and extended oil drain intervals
- Very low solubility with ammonia
- Increased protection against rust, corrosion, carbon, and varnish
- Non-Toxic / Non-Hazardous
- Very high viscosity index for superior pumpability at lower temps and better protection at high temps
- Excellent film strength and anti-wear properties for better protection of compressor parts
- Very high flash points and auto-ignition points for added safety

TYPICAL PROPERTIES

| Lubrication Properties | Synthec 717 | Synthec 717LT | Synthec 717XLT |
|------------------------------|-------------|---------------|----------------|
| ISO Viscosity Grade | 68 | 46 | 46 |
| Viscosity cSt @ 40°C | 64.2 | 45.0 | 44.1 |
| Viscosity cSt @ 100°C | 9.2 | 7.2 | 7.3 |
| Viscosity Index | 120 | 122 | 128 |
| Flash Point °F (°C) | 465 (241) | 460 (238) | 458 (237) |
| Auto-Ignition Point °F (°C) | 715 (379) | 710 (377) | 708 (376) |
| Pour Point °F (°C) | -65 (-54) | -65 (-54) | -76 (-60) |
| Copper Corrosion, 24 Hr | 1a | 1a | 1a |
| Demulsibility, 130°F, 30 Min | 40/40/0 | 40/40/0 | 40/40/0 |
| Color | <.5 | <.5 | <.5 |