
CS-2033

Premium Ammonia Refrigeration Compressor Fluid

CS-2033 represents the next generation of 2-stage hydrocracked ammonia refrigeration fluids. This fluid is an enhanced version of the technology used by most OEMs. It offers reduced solubility with ammonia, less oil carryover, and better pumpability even under extremely low-temperature conditions.

CS-2033 is also completely top-off compatible with most normal paraffinics, naphthenics, alkylbenzenes, PAOs, and single-stage hydrocracked products. CS-2033's chemistry is equivalent to Frick® #9, FES #1 and Vilter 717.

ATTRIBUTES

- Specifically designed for use in ammonia refrigeration compressors
- Low volatility, resulting in less carryover to the evaporators
- Superior 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
- High viscosity index for 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 points and auto-ignition points for added safety
- Pour point enhanced as a result of the addition of proprietary additives

TYPICAL PROPERTIES

Lubrication Properties	CS-2033
Viscosity Index	120
Viscosity cSt @ 40°C	64.2
Viscosity cSt @ 100°C	9.2
Flash Point °F (°C)	465 (241)
Auto-Ignition Point °F (°C)	715 (379)
Pour Point °F (°C)	-54 (-48)
Copper Corrosion, 24 Hr	1a
Demulsibility, 130°F, 30 Min	40/40/0
Color	<.5