



# INDUSTRIAL REFRIGERATION PROS



## ABSOLUTE ZERO AMMONIA LUBRICANTS

### TYPICAL DATA

		AZ 717	AZ 717 XLT	AZ 717-FG	AZ 717-LT (HE)	AZ 717-SC
Viscosity @ 40°C	cSt	64.6	43.5	62.8	60.6	63.3
Viscosity @ 100°C	cSt	8.65	7.55	9.75	8.70	8.51
Viscosity Index	-	106	142	140	117	105
Density @ 20°C	g/cm <sup>3</sup>	0.863	0.829	0.832	0.855	0.867
Flash Point	°C (°F)	235 (455)	255 (491)	260 (500)	245 (473)	235 (455)
Pour Point	°C (°F)	-39 (-38)	≥-57 (-71)	≥-48 (-54)	-45 (-49)	-36 (-33)
Total Acid Number	mgKOH/g	<0.05	<0.015	<0.015	<0.05	<0.05

#### AZ 717

AZ 717 is 2-stage hydrocracked ammonia refrigeration lubricant. This lubricant 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. AZ 717 is also completely top-off compatible with most common paraffinics, naphthenics, alkylbenzenes, PAOs, and single-stage hydrocracked products. Recommended Evaporator Temperature is -49F (-45C).

#### AZ 717 XLT

AZ 717 XLT is formulated for lower viscosities for extremely cold evaporator temperatures to ensure the lubricant remains mobile and easily pumpable. Recommended Evaporator Temperature is -65F (-54C).

#### AZ 717-FG

AZ 717-FG offers exceptional oxidative resistance as well as enhanced chemical and thermal stability. This translates into longer oil life, less sludge and varnish, and better protection of compressor parts. AZ 717-FG complies with H1 requirements for lubricants with incidental food contact. Recommended evaporator temperature is -49F (-45C).

#### AZ 717-LT (HE)

AZ 717-LT (HE) is a high-efficiency ammonia refrigeration compressor fluid specifically designed to lower energy consumption in compressors. This formulation utilizes the next generation of 2-stage hydrocracked base stocks and advanced additives to ensure outstanding performance and fluid life. It offers reduced lubricant carryover, improved low-temperature fluidity for better evaporator draining, and can help to reduce compressor energy consumption by up to 1.5%. AZ 717-LT continues to be effective at temperatures beyond -51°C (-60°F), long after competitive fluids have stopped flowing efficiently. AZ 717-LT's lower viscosities at these cold evaporator temperatures help ensure the lubricant remains mobile and easily pumpable, reducing the energy required to operate the compressor. Recommended evaporator temperature is -51F (-46C).

#### AZ 717-SC

AZ 717-SC is a seal-conditioning formulation from among our group of products. 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. This oil helps stop and prevent leaks by conditioning and restoring hardened seals, O-rings and elastomers. AZ 717-SC is also completely top-off compatible with most normal paraffinics, naphthenics, alkylbenzenes, PAOs, and single-stage hydrocracked products. Recommended Evaporator Temperature is -49F (-45C).