

PRODUCT DATA SHEET



NFG
NON-FOOD GRADE

REF-AB NFG Series

Synthetic Compressor Lubricant

REF-AB NFG- Series are formulated from an AB-Alkylbenzene synthetic blend and designed to function under the stringent requirements of CFCs Chlorofluorocarbon, HCFCs - Hydrochlorofluorocarbon refrigerants like R11, R12, R13, R22, R113, R114, R123, R124, R401a, R401b, R402a, R402b, R403b, R406a, R408a, R409a, R500, R502, R503; & R717 (NH₃ aka ammonia) DX and liquid overfeed industrial refrigeration systems. Besides its inherent inertness, improved system efficiency and higher productivity, the performance advantages of the REF-AB NFG versus naphthenic oils include:

- Partial miscibility and solubility with CFCs, HCFCs and ammonia for improved oil return to the compressor;
- Superior system cleanliness and lubricity to reduce component wear and corrosion;
- Superior chemical and thermal stability;
- Lower foaming tendency; and
- Extended oil drain capability.

REF-AB NFG Series are well-suited for both rotary screw and reciprocating compressors in ammonia service. It is guaranteed to function with evaporators operating down to -40° C. REF-AB NFG is compatible with all types of seals and O-rings used in ammonia compressors including Neoprene (chloroprene), Buna-N and NBR. REF-AB NFG is also 100% compatible with naphthenic and paraffinic mineral oils, as well as PAO and AB synthetic oils, which allows top-off over these other oils and eliminates the need for system flushes and excessive evaporator maintenance. As with all specialty lubricants, indoor storage and immediate closing of original containers after use is strongly recommended to avoid particulate & moisture contamination.

Properties / Characteristics	REF-AB NFG		
ISO Grade	32	46	68
Viscosity			
@40°C, cSt	32.2	43.8	67.8
@100°C, cSt	5.4	6.3	8.4
Viscosity Index	99	88	93
Specific Gravity	0.89	0.87	0.87
Flash Point, °F	435	465	470
(°C)	224	241	243
Fire Point, °F	475	490	505
(°C)	246	254	263
Pour Point, °F	-56	-54	-51
(°C)	-49	-48	-46