## 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.

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

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.

Pan American Lubricants products are continually undergoing improvements in their formulation and manufacture. The values indicated in this PDS are typical production values at the time of this writing. Pan American Lubricants reserves the right to alter and update product data and typical values at any time without notice. It is the responsibility of the installer and/or purchaser to determine whether these specifications are adequate and proper for the intended application. For MSDS information visit www.panamlubricants.com or contact Pan American Lubricants.