



REFROL POE

PRODUCT DESCRIPTION:

Refrol POE oils are synthetic polyol ester base oils intended for use as refrigeration compressor fluids. These oils demonstrate excellent water tolerance characteristic and low-temperature properties, resulting in favorable floc points for the refrigerant-oil mixtures. As they provide better lubrication and stability and are more miscible with HFC refrigerants compared to synthetic and mineral oils of similar application.

APPLICATION:

Refrol POE compatible with the refrigerants R-134a, R-410A, and R-12. POE oils are used as a lubricant in systems using the refrigerant HFC-134a when replacing CFC-12, as these systems traditionally use oil, which HFC-134a does not mix well with. These oils are used with chlorine-free hydrofluorocarbon (HFC) refrigeration systems, as they provide better lubrication and stability and are more miscible with HFC refrigerants compared to synthetic and mineral oils of similar application.

FEATURES & BENEFITS:

- POE oils are excellent lubricants which are less hygroscopic than PAG variants and chemically more stable than PAG types when in the presence of water. POE oils are intended for use in all refrigeration and air conditioning applications.
- Low pour point
- Very good cold flowing properties
- High thermal and chemical stability

TYPICAL PROPERTIES:

PARAMETERS	TEST METHOD	UNIT	REFROL POE			
			32	46	68	100
Grade			32	46	68	100
Kinematic Viscosity @ 104°F /40°C	ASTM D-7042	cSt	32	46	68	100
Kinematic Viscosity @ 212°F /100°C	ASTM D-7042	cSt	TBR	TBR	TBR	TBR
Density@15°C/ 60°F	ASTM D-4052	g/cm ³	TBR	TBR	TBR	TBR
Flash Point	ASTM D-92	°C	230	240	250	250
Pour Point	ASTM D-97	°C	-51	-51	-51	-51

DISCLAIMER: The test data provided above is not a specification but is indicative and may vary within permissible production tolerances. Lubrex reserves the right to modify this test data. Updated information will supersede previous versions, so please refer to the latest version of this Technical Data Sheet (TDS).

HEALTH & SAFETY, ENVIRONMENT:

Prolonged and repeated contact with oil may cause skin disorders. Avoid contact. Wash immediately with soap and water. Do not discharge used oil in to drains or the environment. Dispose to an authorized used oil collection point. For further information on Safety Guidelines please refer to MSDS available on our website www.lubrex.net

HEALTH & SAFETY:

This product is not likely to present any significant health or safety hazards when properly used in the recommended application and good standards of personal hygiene are maintained. Reference is made to the Safety Data Sheet (SDS) which is available on request via your local sales office or via the internet www.lubrex.net

PROTECT THE ENVIRONMENT:

Take used oil to an authorized collection point. Comply with local regulation. Do not discharge into drains, soil or water.

STORAGE:

We recommend to store all packages under cover. In case outside storage is unavoidable, drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should never be stored above 60°C, exposed to hot sun or freezing conditions.

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