

Polyol Ester Refrigeration Oil

Description

DAYAN REFRIGERATION OIL POE SERIES are a wide range of polyol ester based refrigeration oil products. They are designed specifically for use with HFC refrigerants, developed to meet the performance demands of the refrigeration industry. This superior performance is achieved with basefluids that are specifically formulated to deliver optimum performance with minimal additive levels.

Features and benefits

- Fully formulated polyol ester lubricant
- For CFC, HCFC, HFO and HFC applications

Application

The requirements of today's refrigeration and air conditioning compressor lubricants are complex. They must be compatible and miscible with the HFC refrigerants, and they must be compatible and miscible with CFC's and HCFC's as well as mineral and alkylbenzene oils. Polyol ester lubricants meet these needs, and the DAYAN REFRIGERATION OIL POE SERIES line is the preferred choice.

Product and environmental safety

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment.

Specification

- DIN 51503 KD.

Storage and Handling

DAYAN REFRIGERATION OIL POE SERIES are unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained. Avoid contact with skin. Use impervious gloves with used oil. After skin contact, wash immediately with soap and water.

The DAYAN trademark is registered and protected in Iran.

Technical Data

Test	Units	Method	22	32	46	68	55XV	68XV	100	120	170	220
ISO Viscosity Grade	-	-	22	32	46	68	55	68	100	120	170	220
Kinematic Viscosity at 40°C	mm ² /s	ASTM D445	20	33	46.5	68	55	68	100	127.3	170	220
Kinematic Viscosity at 100°C	mm ² /s	ASTM D445	4.4	6	7.3	8.6	8.9	9.55	10.8	12.9	17.8	19.2
Viscosity Index	-	ASTM D2270	133	129	119	97	140	120	90	93	115	98
Density at 15 °C	Kg/m ³	ASTM D2270	0.94	0.98	0.97	0.95	0.99	0.96	0.96	0.96	1	0.96
Flash Point	°C	ASTM D92	250	250	210	210	250	220	250	235	255	270
Pour Point	°C	ASTM D5985	-57	-54	-45	-42	-45	-39	-39	-27	-33	-27
Breakdown Voltage	KV	IEC 60156	41	41	42	43	45	47	45	47	47	49

Note:

1- The Typical characteristics are given as a guide only and may vary according to latest production according to ISO.