

Refrigerator Compressor Lubricant/ Compatible with NH₃

Description

DAYAN REFRIGERATION OIL S is a low miscibility compressor lubricant intended for use in refrigeration compressors using Ammonia refrigerant. It is formulated from specially refined paraffinic base oils in combination with additives selected to minimise system deposits and provide long service life.

Features and benefits

- Very good performance in low temperature.
- Good miscibility with ammonia (R717, R290, R404, ...)
- Outstanding reduced pour point with ammonia fluid gas.

Application

- Refrigerant compatibility

DAYAN REFRIGERATION OIL S is recommended for use with ammonia (R717) based refrigeration systems where it offers excellent performance, even under high compressor discharge temperatures, or down to evaporation temperatures of -36°C. It can also be used in systems using hydrocarbons such as propane (R290). DAYAN REFRIGERATION OIL S is not recommended for use with CFC, HCFC or HFC refrigerants such as R12, R22 or R134a.

Storage and Handling

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.

The DAYAN trademark is registered and protected in Iran.

Technical Data

Test	Units	Method	Refrigeration S 32	Refrigeration S 68
ISO Viscosity Grade	-	ISO 3448	32	68
Refrigeration Oil		DIN 51503	KAA, KE	KAA, KE
Kinematic Viscosity at 40°C	mm ² /s	-	34	68
Kinematic Viscosity at 100°C	mm ² /s	-	5.85	9
Viscosity Index	-	ASTM D2270	110	110
Density at 15 °C	Kg/m ³	ISO 12185	855	860
Flash Point (COC)	°C	ISO 2592	235	250
Pour Point	°C	ISO 3016	-45	-42
Neutralisation Number	Mg KOH/g	ASTM D664 (TAN)	0.01	0.01
Miscibility with R290	-	-	Completely miscible with hydrocarbon based refrigerants	Completely miscible with hydrocarbon based refrigerants

Note:

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