



REFRIGERATION OILS

Emkarate RL 170H

BRAND

Emkarate

SKU

RC_PROD_027

CATEGORY

Refrigeration Oils



OVERVIEW

Emkarate RL 170H is an ISO VG 170 synthetic polyolester (POE) lubricant formulated specifically for refrigeration and air-conditioning compressors using HFC refrigerants. The VG 170 heavy grade is the screw-compressor specialist of the H-series — with the highest flash point in the range at 290 °C. The Emkarate RL family is the most OEM-approved, most recognized POE line in the market — more than one billion compressors worldwide have been factory-filled with Emkarate RL. It provides effective wear protection for steel and aluminium surfaces, is suitable for both initial fill and service fill, and its combination of low-temperature characteristics with chemical and thermal stability supports a wide operating temperature range.

KEY FEATURES

ISO VG 170 POE

engineered for HFC compressor duty
(HCFC/HFO/hydrocarbon compatible per CPI guidance)

Industry-leading OEM approvals

170H-class approvals include Bitzer screw, Dalian Bingshan screw platforms

Flash and pour point

high flash point (290 °C COC) and low pour point (-25 °C) — margins mineral oil cannot match

Effective anti-wear protection

for steel and aluminium surfaces

SPECIFICATIONS

PARAMETER	VALUE
BASE STOCK	Polyolester (POE), fully synthetic
ISO VISCOSITY GRADE	VG 170
KINEMATIC VISCOSITY @ 40 °C	170 cSt (ASTM D445)