



REFRIGERATION OILS

Emkarate RL 32H

BRAND

Emkarate

SKU

RC_PROD_025

CATEGORY

Refrigeration Oils

OVERVIEW

Emkarate RL 32H is an ISO VG 32 synthetic polyolester (POE) lubricant formulated specifically for refrigeration and air-conditioning compressors using HFC refrigerants. The VG 32 grade is the approval leader for scroll and small reciprocating compressors — including the Danfoss Maneurop SZ/MTZ class widely installed across India. 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 32 POE

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

Industry-leading OEM approvals

32H-class approvals include Danfoss/Maneurop scroll & reciprocating, Bitzer reciprocating, Thermo King, Daikin

Flash and pour point

high flash point (258 °C COC) and low pour point (-46 °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 32
KINEMATIC VISCOSITY @ 40 °C	32.5 cSt (ASTM D445)