



REFRIGERATION OILS

Emkarate RL 100H

BRAND

Emkarate

SKU

RC_PROD_028

CATEGORY

Refrigeration Oils



OVERVIEW

Emkarate RL 100H is an ISO VG 100 synthetic polyolester (POE) lubricant formulated specifically for refrigeration and air-conditioning compressors using HFC refrigerants. The VG 100 grade serves screw and heavy reciprocating duty where bearing loads demand more film than VG 68 provides. 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 100 POE

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

Industry-leading OEM approvals

100H-class approvals include Bock reciprocating, Daikin
McQuay screw platforms

Flash and pour point

high flash point (260 °C COC) and low pour point (-28 °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 100
KINEMATIC VISCOSITY @ 40 °C	96.5 cSt (ASTM D445)