

MINERAL REFRIGERATION OILS

Calumet R.O. line of mineral oils is specifically designed for air conditioning and refrigeration compressors. These mineral oils are refined from high quality specialty base oils using a customized hydrotreating process. Calumet R.O. mineral refrigeration oils are designed to meet OEM requirements and have excellent chemical and thermal stability that support cleaner operation and longer life.

Readily available in ISO 32 (SUS 150) and ISO 68 (SUS 300) viscosity grades, Calumet R.O. mineral refrigeration oils can be used in most reciprocating, scroll, screw, and centrifugal compressors currently in service today. Additional viscosities are available on request.

Performance Advantages

- Excellent chemical characteristics
- Performs well over a wide temperature range
- Low pour point help facilitate oil return
- Typically used with traditional CFCs and HCFCs refrigerant systems
- OEM approved*

*Calumet R015 & Calumet R030 mineral oil



Typical Properties	Method	R015 (ISO 32)	R030 (ISO 68)
Viscosity, cSt @ 40°C	ASTM D445	30.1	61.1
Viscosity, cSt @ 100°C	ASTM D445	4.4	6.6
Viscosity, SUS @ 100°F	ASTM D2161	157.2	321.0
Viscosity, SUS @ 210°F	ASTM D2161	41.2	48.3
API Gravity @ 60°F	ASTM D4052	24.3	23.1
Pour Point, °C	ASTM D97	-47	-39
Flash Point, COC °C	ASTM D92	172	193
Color	ASTM D1500	L0.5	L1.0
Aniline Point, °C	ASTM D611	78.7	85.4
Neutralization Number, mg KOH/g	ASTM D974	0.01	0.01
Sulfur, Mass%	ASTM D2622	0.01	0.01
Floc Point, °C	ASHRAE86	-55	-49
Water Content, ppm	ASTM D1533	11	11

* All properties are typical values and may vary

TECHNICAL ASSISTANCE

For product or technical questions contact your Sales Representative or Calumet Product Support.

Product Support:
1-800-437-3188
www.calumetspecialty.com