

LUBRICANTS FOR INDUSTRIAL USE

CEPSA BOREAL

DESCRIPTION

Highly refined, wax-free naphthenic mineral oil designed for use in refrigeration compressors.

PRODUCT APPLICATIONS

- Specifically recommended for lubricating Refrigeration Compressors that use traditional coolants, ammonia, carbon dioxide, R12, R22, R-717, R-502, R600a and R-290.

PRODUCT PERFORMANCE

- Low flocculation point with Freon. Reduces crystalline formation and deposits in the cooling circuit, thereby guaranteeing and ensuring proper operation of the installation.
- Good chemical stability, extending the useful lifetime of the oil and thereby reducing stoppages and maintenance costs.
- Superb fluidity at low temperatures.
- Good oil film resistance at the temperatures reached at the end of the compression stage.
- Maximum performance in installations, extending the useful lifetime of the compressor.
- CEPSA BOREAL meets the requirements of most compressor manufacturers.

SPECIFICATIONS

- DIN 51503 KAA / KC / KE

TYPICAL CHARACTERISTICS

CHARACTERISTICS	UNITS	METHOD	CEPSA BOREAL 46	CEPSA BOREAL 68
Density at 15 °C	kg/l	ASTM D-4052	0,914	0,916
Flash Point, COC	°C	ASTM D-92	175	179
Pour Point	°C	ASTM D-5950	-39	-39
Viscosity at 40°C	cSt	ASTM D-445	43	55
Viscosity at 100°C	cSt	ASTM D-445	5,3	5,9
Copper Corrosion (3h, 100°C)	-	ASTM D-130	< 1	< 1
Flocculation Point R12	°C	DIN 51351	-50	-48

HEALTH & SAFETY AND ENVIRONMENT

Health, safety and environmental information is provided for this product in the Materials Safety Data Sheet. This gives details of potential hazards, precautions and First Aid measures together with environmental effects and disposal of used products.