

Product Data Sheet

MAK FREEZOL

ISO VG: 15, 22, 32, 46, 68 & 100

NON ISO VG: 12 & 57

DESCRIPTION

These are highly refined specially treated straight mineral, Naphthenic oils.

APPLICATIONS

They are used in the lubrication of all refrigeration compressors of open, hermetically sealed and semi-sealed industrial type, both reciprocating as well as rotary type operating at moderate evaporator temperatures and thermal loads.

FREEZOL 32 has been approved by M/s. Godrej & Boyce and M/s. Carrier Aircon Ltd. for use in their compressors.

PERFORMANCE BENEFITS

 Possess high chemical stability, low pour point and low wax forming tendency as required by refrigeration and airconditioning compressors

PERFORMANCE LEVEL

• IS 4578: 1997

Characteristics	IS 1448	Typical Figures				
		12	15	22	32	
Appearance		Clear fluid	Clear fluid	Clear fluid	Clear fluid	
Density at 15°C	P:16	0.8771	0.8781	0.8801	0.8851	
K.V at 40° C, cSt	P:25	12.9	15.1	22.2	32.8	
Viscosity Index	P:56	50	50	52	54	
Pour Point, °C	P:10	-45	-45	-42	-39	
Flash Point, (COC), °C	P:69	152	162	172	188	
Copper Strip Corrosion Test at 100°C for 3 hrs.	P:15	1a	1a	1a	1a	

	IS	Typical Figures				
Characteristics	1448	46	57	68	100	
Appearance		Clear fluid	Clear fluid	Clear fluid	Clear fluid	
Density at 15°C	P:16	0.8894	0.8924	0.8959	0.8970	
K.V at 40° C, cSt	P:25	46.6	57.3	68.5	100.2	
Viscosity Index	P:56	56	57	58	61	
Pour Point, °C	P:10	-33	-27	-27	-27	
Flash Point, (COC), °C	P:69	196	200	210	244	
Copper Strip Corrosion Test at 100°C for 3 hrs.	P:15	1a	1a	1a	1a	

Health and Safety

These oils are not hazardous under normal conditions of use. For further guidance appropriate Material Safety Data Sheet may be referred.

Bharat Petroleum Corporation Ltd.

Technical Services

A' Installation, Sewree (East), Mumbai – 400 015 Phone: 022-24176354, Fax: 022-24182511 / 24166512

email: z_techservices@bharatpetroleum.in

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