

## Product Data Sheet

# MAK CABOL

ISO VG: 15, 22, 32, 46, 68, 100, 150, 220, 320 & 460

Non ISO VG: 121, 176 & 257

### DESCRIPTION

These are highly refined high viscosity index mineral oils which maintain a thin film of oil under light & medium load conditions.

### PERFORMANCE BENEFITS

- Exhibit good oxidation & thermal stability
- Provide protection against corrosion & rust even during idle condition

### APPLICATIONS

These are used in bearing applications in various industries such as steel, textile, pharmaceutical, chemical, processing industries etc.

### PERFORMANCE LEVEL

- IS 493 (Part 1) : 1981 [Reaffirmed Nov., 1998]

Our grades meet above specification for the respective viscosity grades.

Characteristics	IS 1448	Typical Figures			
		15	22	32	46
Appearance	--	Clear & Bright	Clear & Bright	Clear & Bright	Clear & Bright
Density at 15° C	P:16	0.8651	0.8664	0.8819	0.8827
K.V at 40° C, cSt	P:25	15.1	22.9	32.3	46.2
Viscosity Index	P:56	102	101	100	100
Pour Point, °C	P:10	-9	-9	-9	-9
Flash Point, (COC), °C	P:69	168	188	210	220
Copper Strip Corrosion Test at 100°C for 3 hrs.	P:15	1a	1a	1a	1a

Characteristics	IS 1448	Typical Figures		
		68	100	121
Appearance	--	Clear & Bright	Clear & Bright	Clear & Bright
Density at 15° C	P:16	0.8835	0.8876	0.8902
K.V at 40° C, cSt	P:25	68.4	100.7	121.8
Viscosity Index	P:56	98	96	95
Pour Point, °C	P:10	-6	-6	-6
Flash Point, (COC), °C	P:69	220	232	240
Copper Strip Corrosion Test at 100°C for 3 hrs.	P:15	1a	1a	1a

# Product Data Sheet



Characteristics	IS 1448	Typical Figures		
		150	176	220
Appearance	--	Clear & Bright	Clear & Bright	Clear & Bright
Density at 15° C	P:16	0.8930	0.8942	0.8966
K.V at 40° C, cSt	P:25	150.2	175.9	220.5
Viscosity Index	P:56	95	94	94
Pour Point, °C	P:10	-6	-6	-6
Flash Point, (COC), °C	P:69	244	246	250
Copper Strip Corrosion Test at 100°C for 3 hrs.	P:15	1a	1a	1a

Characteristics	IS 1448	Typical Figures		
		257	320	460
Appearance	--	Clear & Bright	Clear & Bright	Clear & Bright
Density at 15° C	P:16	0.8966	0.8986	0.8998
K.V at 40° C, cSt	P:25	257.1	320.7	460.5
Viscosity Index	P:56	93	93	92
Pour Point, °C	P:10	-6	-6	-6
Flash Point, (COC), °C	P:69	252	256	280
Copper Strip Corrosion Test at 100°C for 3 hrs.	P:15	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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