

## Product Data Sheet

# MAK CABOL

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

Non ISO VG: 121, 176 &amp; 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<br>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<br>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.

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