

# Product Data Sheet

## MAK METAMOL

ISO VG: 32, 68, 100 & 220

**DESCRIPTION**  
 These are high quality oils with carefully selected additives. The additive combination imparts the fractional characteristics necessary to prevent stick-slip and jerky motion.

**PERFORMANCE BENEFITS**

- Exhibits very good oxidation stability
- Contains anti-wear, non-drip and oiliness additives

**APPLICATIONS**  
 These oils are recommended for lubrication of slides and tables of machine tools for both horizontal and vertical guide ways.

**PERFORMANCE LEVEL**

- Proprietary grade

Characteristics	IS 1448	Typical Figures			
		32	68	100	220
Appearance	--	Clear & Bright	Clear & Bright	Clear & Bright	Clear & Bright
Density at 15° C	P:16	0.878	0.885	0.893	0.910
K.V at 40° C, cSt	P:25	32.1	68.5	100.1	220.2
Viscosity Index	P:56	101	98	96	94
Pour Point, °C	P:10	-9	-9	-6	-6
Flash Point, (COC), °C	P:69	222	236	248	260
Foaming Characteristics/Stability	P:67	Nil	Nil	Nil	Nil
a) Sequence I					
b) Sequence II					
c) Sequence III					

**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<sup>1</sup> Installation, Sewree (East), Mumbai – 400 015  
 Phone: 022-24176354, Fax: 022-24182511 / 24166512  
 email: z\_techservices@bharatpetroleum.in

Edition: R&D / Indl / 047 / Issue 1 / Oct, 2008