

MAK NORCAM

Description

These are a range of highly refined transparent, inactive cutting oils with extreme pressure properties. These cutting oils are specially developed for wide range of machining operations. They are blended from highly refined high viscosity index mineral oils and carefully selected additives.

Application

These oils are used for machining yellow metals. Suitable for less severe classes of machining on ferrous metals and are excellent for automatic lathes, screw cutting machines etc.

MAK NORCAM 22 has special chlorinated EP additives and is designed as multipurpose neat cutting oil.

NORCAM C is approved by DGQA meeting ZX-6 requirements.

MAK NORCAM E & G oils are recommended for use in wide range of machining operations on medium machinability metals and also for severe operations on certain highly machinable steels and alloys.

Benefits

No staining of metals: Inactive sulphur does not allow metal to get stained thereby enhancing tool life.

Extreme pressure additives: Helps in maintaining a strong lubricating film even at higher loads.

Good visibility: Light colour helps in good observation of the processes.

Performance Level

- Proprietary grade

Technical Specifications

Characteristics	ASTM	MAK NORCAM				
		B	C	E	G	22
Appearance	--	Clear fluid	Clear fluid	Clear fluid	Clear fluid	Clear fluid
Density at 15°C	D1298	0.9096	0.9091	0.864	0.8781	0.9194
K.V at 40° C, cSt	D445	20.1	34.7	13.33	32	21.54
Copper corrosion @ 100° C, for 3 hrs.	D130	1b	1b	1a	1b	1b
Flash Point, (PMCC), °C	D92	160	170	180	226	170

All the mentioned values are typical which may vary from batch to batch.

Storage and Handling

- Indoor Storage is always preferable
- Barrels should be kept horizontally with bunk position at 3 O'clock 9 O'clock position
- Barrels should be kept away from dusty or heated areas.
- During handling any contact with dust must be avoided

Health and Safety

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

Advice

For any further advice on applications or otherwise, please contact the nearest Bharat Petroleum territory office or Technical Services department at the address given below.

Bharat Petroleum Corporation Ltd.

Product and Application Development Dept.
 BPCL 'A' Installation, Sewree Fort Road, Sewree (East)
 Mumbai -400015
 E-mail: MAKcustomercare2@bharatpetroleum.in
 Tel No.: 022-24176351