

MAK CANE CRUSHING OIL

High viscosity oils for protection of roll bearings and gears of Sugar mill

MAK Cane Crushing Oils have been developed for protection of the roll bearings and open gears of cane crushing mill. They are manufactured from special high viscosity lubricating oil base stocks suitably fortified with bitumen as compounding agent. These oils can lubricate adequately under conditions of low speed, high operating pressures and shock loading. They offer outstanding adhesion even in the presence of sugarcane juice, bagasse and water. These oils help prevent wear and corrosion of bearings and have excellent resistance to leakage. They also ensure efficient lubrication even in the presence of sugarcane juice.

Grades – MAK Cane Crushing Oils are available in the following Non-ISO VG grades – **40, 80 and 120.**

Applications:

MAK Cane Crushing Oils are specially developed oils for lubrication of heavily loaded cane crushing mill Roll bearings (journal) in Sugar industries operating with centralised lubrication system. These oils are recommended for lubrication of slow speed gears in industries and are also used as an open gear lubricant by slush pan method.

Performance/ Benefits:

Excellent Adhesion Property – offers very high resistance to water washing and provides protection in presence of juice, bagasse and water.

Outstanding Wear Protection – provides very good load carrying ability and provides superior protection to the journal bearings under severe operating conditions. Increases bearing service life and reduces operating cost.

Excellent Pumpability – highly suitable for centralised lubrication system or force feed lubricators. Offers smooth and continuous flow to sugar mill journal bearing lube points.

High Rust & Corrosion Protection – prevents rusting and corrosion. Creates a strong thin film. Rapidly separates water. Fewer unscheduled stoppages and lower maintenance costs.

Specification:

- Proprietary Grade

Storage & Handling:

The product should be stored inside. Keep it properly sealed to avoid contamination. Avoid freezing. Shelf life is 3 yrs. under protected storage conditions.

Health & Safety:

These oils are unlikely to be hazardous when properly used in recommended applications. Contamination of the coolant from other oils, greases, chemicals, dirty water etc. can occur during the use. It should be avoided. Regular monitoring of the in-use product is recommended.

Typical Physico-Chemical Data: MAK Cane Crushing Oils

Characteristics	Method	40	80	120
Appearance	Visual	Dark	Dark	Dark
Density @15°C, g/cc	ASTM D1298	0.9669	0.9721	0.9785
Kinematic Viscosity @100°C, cSt	ASTM D445	41.5	91	115.4
Pour Point, °C	ASTM D97	-6	-6	9
Flash Point, COC, °C	ASTM D92	256	270	285
Copper Corrosion, 100°C, 3 hrs.	ASTM D130	1a	1a	1a
Rust test	ASTM D665	Pass	Pass	Pass