

# MAK CANE CRUSHING OIL NB 40

Non-bituminous high viscosity oil for protection of roll bearings and gears of Sugar mill

MAK Cane Crushing Oil NB 40 has 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 and selected non-toxic mild extreme pressure additive. No bituminous compound is used in the formulation making it easier to dispose after use. It can lubricate adequately under conditions of low speed, high operating pressures and shock loading. Owing to outstanding adhesion even in the presence of sugarcane juice, bagasse and water this oil helps prevent wear and corrosion of bearings and has excellent resistance to leakage. It also ensures efficient lubrication even in the presence of sugarcane juice and other contaminants.

#### Applications:

MAK Cane Crushing Oil NB 40 is specially developed non-bituminous type of oil for lubrication of heavily loaded cane crushing mill Roll bearings (journal) in Sugar industries operating with centralised lubrication system. This oil is 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

#### Typical Physico-Chemical Data: MAK Cane Crushing Oil NB 40

Characteristics	Method	Value
Appearance	Visual	Dark Brown
Density @15°C, g/cc	ASTM D1298	0.8986
Kinematic Viscosity @100°C, cSt	ASTM D445	39.71
Pour Point, °C	ASTM D97	-6
Flash Point, COC, °C	ASTM D92	240
Copper Corrosion, 100°C, 3 hrs.	ASTM D130	1a
Rust test	ASTM D665	Pass

#### 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.