

# MAK TEXTROL EE 10

New generation energy efficient spindle oil for textile spinning frames

MAK Textrol EE 10 is a premium quality spindle oil developed for lubricating the bearings of ring frames in textile industries. It is formulated with high quality severely hydroprocessed mineral base oils and a high performance additive system designed to provide outstanding resistance to oxidation and thermal stress. Special antiwear additive package provides exceptional equipment protection against low temperature wear and offers reliability under severe operating conditions. High quality base oil coupled with special friction modifier has the potential for energy efficiency during the operation of the ring frames. MAK Textrol EE 10 is compatible with the seal materials and paints normally specified for use with mineral oils.

**Grades:** MAK Textrol EE 10 is available in the following ISO VG grade – **10**

**Applications:**

MAK Textrol EE 10 is recommended for lubrication of spindle bearings of textile spinning frames. These bearings generally run at a speed of more than 20000 rpm. It is also suitable for automated machine tool bearings running at a very high speed.

**Performance/ Benefits:**

**Energy Saving Potential** – special lubricity agents reduces the coefficient of friction. Lower friction tends to create less resistance and exhibits energy efficiency potential during operation. Offers savings in power consumption in the spinning frames.

**Outstanding Oxidation Stability** – outstanding resistance to the effects of oxidising agents. Resists sludge and deposit formation. Ensures reliability, longer operating life and less maintenance.

**Excellent Thermal Stability** – provides resistance to thermal break-down and capability to work under varied operating temperatures to offer optimum life and performance. Offers longer oil life.

**Antiwear Property** – helps minimise wear of bearings and other machine components. Lower friction coefficient generates less heat during operation. Exhibits potential for

protection of components even at low temperatures. Offers reliability.

**Strong Rust & Corrosion Protection** – prevents rusting and corrosion. Fewer unscheduled stoppages and lower maintenance costs.

**Specification:**

- Proprietary Grade

**Approval:**

Approved by M/s. Lakshmi Machine Works Ltd., Coimbatore (LMW) for their textile spinning machine

**Typical Physico-Chemical Data: MAK Textrol EE 10**

Characteristics	Method	Value
Appearance	Visual	Clear fluid
Density, g/cc @15°C	ASTM D1298	0.844
Kinematic Viscosity @40°C, cSt	ASTM D445	9.8
Viscosity Index	ASTM D2270	108
Pour Point, °C	ASTM D97	-15
Flash Point, COC, °C	ASTM D92	184
Copper Corrosion, 100°C, 3 hrs.	ASTM D130	1b
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:**

It is 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.

