

# MAK KNIT 22

## Emulsifiable knitting machine oil

MAK Knit 22 is formulated from hydro treated, high viscosity index, water white base stocks. It is fortified with special anti-wear, emulsifier and other performance enhancing additives. It offers very good protection to the components of knitting machinery against wear and rust. This oil offers good resistance to oxidation and meets the requirements of textile industry in terms of increased speed and operating temperature. MAK Knit 22 significantly reduces deposits on the heavily loaded, sensitive needles and sinkers. This product offers excellent compatibility with the machine elements and reduces the operating temperatures. It is a fully washable type of oil and readily forms emulsion with water. It does not stain cloth and does not form deposits during subsequent processes. MAK Knit 22 is compatible with the seals and paints normally specified for use in textile machineries with mineral oils.

### Applications:

MAK Knit 22 is a low viscosity textile machinery lubricant that has been developed for lubrication of the needles, sinkers, couplings, cams, cylinders, dials and sinker rings of high speed flat and circular knitting machines widely used in Textile Industry. Because of its very good scourability it is suitable for washable type of products made in hosiery industry.

### Performance/ Benefits:

**Very Good Resistance to Oxidation** – resistance to the effects of oxidising agents. Resists sludge, gumming and carbonaceous deposit formation on the machine components. Ensures reliability and less maintenance.

**Low Coefficient of Friction** – provides excellent lubricity even under high speed and high working temperatures. Reduces breakage of needles and sinkers.

**Excellent Antiwear Performance** – special additive chemistry provides excellent protection to needles, cams etc. from wear.

**Good Rust and Corrosion Protection** – offers protection to the metallic components of knitting machines in the presence of moist air.

**Non-Staining** – readily forms emulsion. Washability helps in removing stains from yarn easily using conventional washing processes

### Specification:

- Proprietary Grade

### Typical Physico-Chemical Data: MAK Knit Plus 22

Characteristics	Method	Value
Appearance	Visual	Clear & Bright
Density, g/cc @15°C	ASTM D 1298	0.841
Kinematic Viscosity @40°C, cSt	ASTM D445	22.5
Kinematic Viscosity @100°C, cSt	ASTM D445	4.3
Viscosity Index	ASTM D2270	94
Flash Point, (COC), °C	ASTM D92	196
Copper Corrosion, 100°C, 3 hrs.	ASTM D130	1b

### 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 oil 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.