MAK KNIT XL 22

High performance non-emulsifiable knitting machine oil

MAK Knit XL 22 is formulated from high quality hydro treated, water white base oils and special anti-wear and other performance enhancing additives. It offers good protection to the components of knitting machinery like needle, sinkers, cams etc. against wear and rust. This oil has good lubricity and oxidation stability and meets the requirements of textile industry in terms of increased speed and operating temperature. MAK Knit XL 22 significantly reduces deposits on the heavily loaded, sensitive needles and sinkers. As a result, the machinery operation is much less liable to disruption and the need for maintenance is reduced, contributing to higher efficiency in production. This product offers excellent compatibility with the machine elements and reduces the operating temperatures. It is non-emulsifiable type oil and does not stain cloth. MAK Knit XL 22 is compatible with the seals and paints normally specified for use in textile machineries with mineral oils.

Applications:
MAK Knit XL 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 bed knitting and weaving machines widely used in Textile Industry. It is suitable for non-washable type of products like technical textile.

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.

Specification:
- Proprietary Grade

Typical Physico-Chemical Data: MAK Knit XL 22

Characteristics	Method	Value
Appearance	Visual	Clear & Bright
Density, g/cc @15^{O}C	ASTM D 1298	0.854
Kinematic Viscosity @40^{O}C, cSt	ASTM D445	21.8
Kinematic Viscosity @100^{O}C, cSt	ASTM D445	4.4
Viscosity Index	ASTM D2270	115
Flash Point, (COC), °C	ASTM D92	220
Copper Corrosion, 100^{O}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.

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