

# TIXO STAINLESS 22, 32, 46



Needle Oil



High performance emulsifiable needle oil for circular and flatbed knitting machines, based on highly refined base oils

## APPLICATIONS

- Lubrication of needles, sinkers, tuck cams, and needle cylinders
- Suitable for applications in hosiery, circular and flat-bed knitting machines

## ADVANTAGES

- Thanks to its high additivation, **TIXO STAINLESS** meets modern high speed machinery's requirements in terms of wear protection
- DIN 62136 standard approved in terms of friction coefficient, wear and maximum load extending stitch forming parts shelf life
- High level corrosion protection on machinery, according to DIN 51360 standard levels
- Scourable through conventional washing processes thanks to its high-end emulsifiers
- Good temperature regulation in high speed machine running
- Non aggressive towards plastics, paints and machines electronic components
- Compatible with elastane fibers
- Excellent oxidation stability in high speed, high temperature conditions, showing good results in hosiery closed circuit oiling systems
- Environmentally friendly (no ethoxylated alkylphenol (APEO))
- Complies with the OEKO-TEX standard 100 requirements

## RECOMMENDATIONS

### Method of Application

- Suitable for application through all conventional oil feeding systems commonly used in knitting machinery
- Before switching to **TIXO STAINLESS**, it is strongly recommended to drain and clean the machine and oil feeders

### De-Oiling

Best conditions for a good removal:

- Temperature around 60°C
- pH from 8 to 9
- 1 to 2g/l of detergent from our DETERFIX range, or any non ionic detergent

**Storage**

- Temperature from 5°C to 40°C
- Optimal performance is obtained if the product is stored for a period of maximum 24 months in a dry, indoor, frost-free place and in its unopened original packaging

<b>TYPICAL CHARACTERISTICS</b>	<b>TIXO STAINLESS 22 / 32 / 46</b>
Aspect at 20°C	Clear liquid
Visual color	Colourless
Density at 20°C	0,84
Viscosity at 40°C	19,8 - 24,2 cSt / 28,8 - 35,2 cSt / 42 - 50 cSt
Copper strip test ISO 2160 (3h at 100°C)	1a
Flash point	> 130°C

Above characteristics are mean values given as an information.

<b>Oscillation Friction Test (b/400 N/70°C/1h, DIN 51834-2)</b>	
Friction coefficient	< 0,1
Wear scar Wk (mm)	< 0,6
Wear depth Rz (µm)	< 1
Load resistance (N)	> 1000

Above characteristics are mean values given as an information.