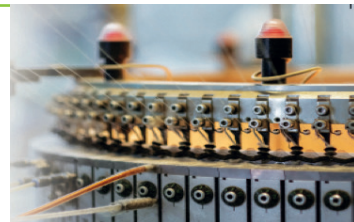




Needle Oil

Tixo Stainless CO 22, 32, 46



DESCRIPTION

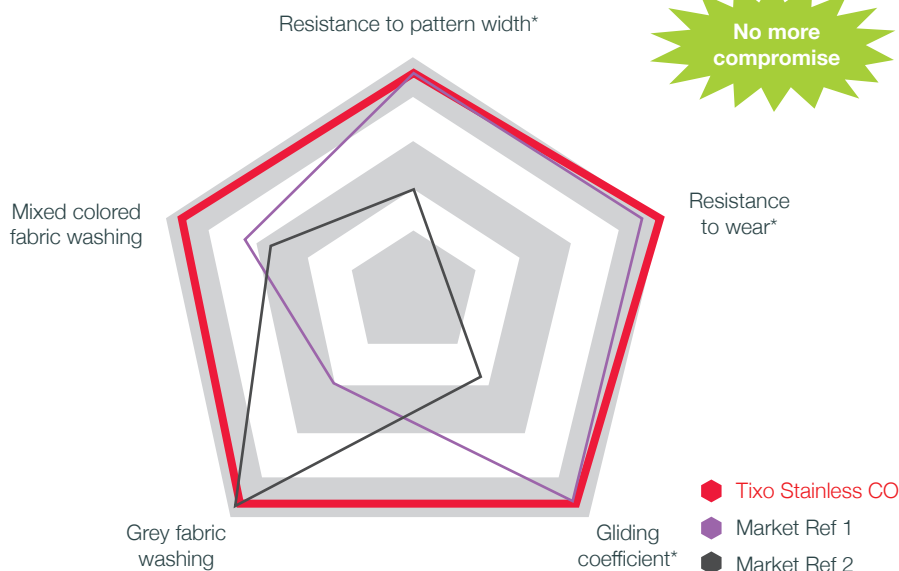
High performance washable needle oil for lubricating all types of knitting machines

APPLICATIONS

Tixo Stainless CO is designed to provide the best washing performance especially in medium and high washing temperatures with superior mechanical performances. Its high mechanical performance helps to extend stitch forming parts' shelf life.



WASHABILITY MEETS WITH MECHANICAL PERFORMANCE



*Mechanical Performance based on DIN 62136 Tribological Tests (Gliding Coefficient, Wear Depth, Wear Diameter, Maximum Load)

CUSTOMER BENEFITS

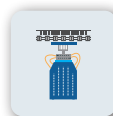
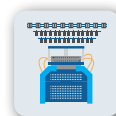


- Superior washability with exceptional mechanical performance, which helps to reduce the operating costs
- Certified according to ECO PASSPORT by OEKO-TEX®
- Compliant with standard 100 by OEKO-TEX®, GOTS and REACH
- Compatible with electronic cards, rubber, paint and elastane fibres

SUITABLE FOR ALL KNITTING APPLICATIONS



Flat

Small
diameterLarge
diameter

Tixo Stainless CO 



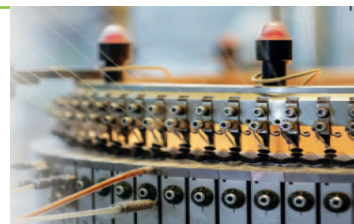
Medium & high temperature washing

This lubricant used as recommended and for the application for which it has been designed does not present any particular risk. A material safety data sheet conforming to the regulations in use in the E.C. can be obtained from your local commercial adviser or down loaded at ms-sds.totalenergies.com



Needle Oil

Tixo Stainless CO 22, 32, 46



TECHNICAL DATA

CHARACTERISTICS	METHODS	UNITS	TYPICAL VALUES*
Aspect at 20 °C	Visual	-	Clear Liquid
Visual Color	Visual	-	Slightly Yellow
Density at 20 °C	ISO 12185	kg/m ³	0,85
Viscosity at 40 °C	ISO 3104	mm ² /s	22 / 32 / 46
Copper strip test	ISO 2160	-	1a
Flashpoint	ISO 2592	°C	> 200
Oscillation friction test			
- Friction coefficient		-	< 0,1
- Wear scar wk	DIN 62136	mm	< 0,6
- Wear dept RZ		µm	< 1
- Load resistance		N	> 1000

*The specifications above are averages communicated for information purpose only

SPECIFICATIONS AND APPROVALS

- OEKO-TEX® standard 100, GOTS and REACH compliant
- DIN 62136 compliance certified by Groz-Beckert
- ISO 9001
- ISO 14001

PROTECTION, BEYOND THE LIMITS



Load Carrying Capability

Based on DIN 62136 tribological tests

COMPATIBILITY

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

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

DE-OILING

Best conditions for a good removal:

- Temperature from 45 °C to 80 °C
- pH from 8 to 9
- 1-2 g/l of detergent from our Deterfix range or any non ionic detergent

This lubricant used as recommended and for the application for which it has been designed does not present any particular risk. A material safety data sheet conforming to the regulations in use in the E.C. can be obtained from your local commercial adviser or down loaded at ms-sds.totalenergies.com