

# TEXTOL®

Needle and sinker oils for knitting machines



**Zeller+Gmelin**  
Mineralöle · Druckfarben · Chemie





## TEXTOL® LUBRICANTS FOR KNITTING MACHINES

The advanced state of development of the high-grade textile industry lubricants used all over the world under the brand name of TEXTOL® is the result of our Research and Development which has been conducted continuously for decades. User-specific solutions benefit from this wealth of experience.

Zeller+Gmelin are certified to DIN EN ISO 9001:2000 and have implemented an integral concept of quality assurance. This QM system makes it possible to network absolutely all the quality requirements, ensuring that customers can always rely entirely on all our products and services.

### Needle and sinker oils have to meet many different requirements:



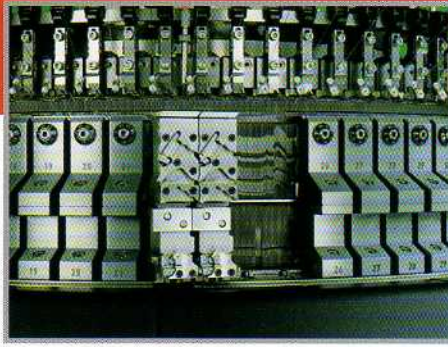
- they have to provide the machines with optimum lubrication
- they must give needles and sinkers a high degree of protection against wear
- heat that develops during the knitting process must be dissipated by the lubricant
- the lubricant must be non-gumming and non-sticking
- the viscosity of the lubricant should be largely constant at different rotational speeds and temperatures
- prevention of corrosion
- good lubricant compatibility with a wide variety of machine materials and yarn materials must be guaranteed
- it must be possible to wash the oils out thoroughly



In the DIN 62136-1 resp. 2 standard the above characteristics were listed as minimum requirements in order to define appropriate petroleum-based resp. synthetic-based needle and sinker lubricants for modern circular knitting applications.

**As specialists in textile machinery lubricants  
Zeller+Gmelin naturally meet and top these requirements !**





Circular knitting machine type OVJA 2.4 E (knitting head)  
Mayer&Cie, 72438 Albstadt, Germany



## ADVANTAGES OF TEXTOL® NEEDLE AND SINKER OILS

- As a result of constant further development in collaboration with machine manufacturers and producers the oils are always **state of the art** so they are recommended by **leading machine manufacturers**
- Suitable for all **automatic and manual lubricator systems** on circular knitting machines
- **High resistance to oxidation**; so there is **no sticking or gumming**. Machine locks and ducts remain clean
- **Good protection against corrosion**
- **Excellent wear-protecting properties**; so the needles and sinkers last longer
- **High viscosity index (VI)**; so starting up is easy when the machine is cold, and lubrication is reliable at operating temperature
- **Good compatibility** with machine paints, plastics and a wide variety of yarn materials
- Excellent **washing-out** capability due to additives supporting the washability
- Virtually **water-white** qualities

### Note:

Basically TEXTOL® oils are easily removable by washing.

Due to different factors of influence during the bleaching and washing process, we cannot give any recommendation for the treatment of oil-contaminated fabric.

Please **always** check the washability under **real conditions** in your production.





## PROGRAM

### Industrial lubricants

MULTICAL®	calibration lubricants
MULTICOR®	anti-corrosion agents
MULTICUT®	non water-miscible cooling lubricants
MULTIDRAW®	wire drawing lubricants
MULTIDRAW®	deep drawing lubricants
MULTIPRESS®	extrusion oils
TEXTOL®	lubricants for the textile industry
ZUBORA®	water-miscible cooling lubricants
DIVINOL®	lubricating greases
DIVINOL®	guideway and slideway oils, hardening oils, adhesive oils, hydraulic oils, industrial gear oils, commercial white oils, compressor oils, cylinder oils

You can find our products in over 100 countries world-wide.



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