



# TIXXONLUBE XS XHP 460

Tixxonlube XS XHP 460 has excellent antifriction properties, which helps to reduce friction and wear on surfaces, prolong equipment life and reduce the risk of accidents. The grease demonstrates effective operation under conditions of increased loads and temperatures.

Due to its high technical characteristics Tixxonlube XS XHP 460 is an excellent choice for lubrication of equipment in various industries, where a reliable lubricant is required, working effectively under conditions of high loads and aggressive environments.

Tixxonlube XS XHP 460 has improved water resistance properties due to the calcium sulfonate thickener in its composition. In addition, the product has high thermal stability and load carrying capacity, excellent surface protection against corrosion and efficient operation at high speeds.

The grease is recommended for use in units subjected to high loads and shocks, as well as in units operating under conditions of repeated contact with water, including seawater. The product is used in bearings of equipment of metallurgical enterprises (units of continuous casting lines and rolling mills), in roller bearings of press-granulators working with hard types of wood.

Tixxonlube XS XHP 460 is used in industrial equipment operating under severe conditions, including high humidity, high temperatures and dust, including mining and cement industries. Preferably used in a centralized lubrication system.

## TYPICAL PHYSICAL AND CHEMICAL PARAMETERS

| PARAMETER                                                        | STANDARD     | VALUE                     |
|------------------------------------------------------------------|--------------|---------------------------|
| Grease classification                                            | DIN 51 502   | KP1.5S-20                 |
| Colour, appearance                                               | Visual       | Brown                     |
| Thickener type                                                   | -            | Calcium sulfonate complex |
| Type of base oil and additives                                   | -            | Mineral                   |
| Kinematic viscosity of the base oil at 40°C, mm <sup>2</sup> /s  | DIN 51 562   | 460                       |
| Kinematic viscosity of the base oil at 100°C, mm <sup>2</sup> /s | DIN 51 562   | 46,94                     |
| NLGI class                                                       | DIN 51 818   | 1,5                       |
| Mixed grease penetration (60 double strokes), mm/10              | DIN ISO 2137 | 285-315                   |
| Drop point, °C                                                   | DIN ISO 2176 | 290                       |
| Corrosion on copper plate                                        | ASTM D4048   | 1a                        |
| Degree of corrosion (rolling bearings, distilled water)          | ASTM D4048   | 0-0                       |
| Wear scar diameter, mm                                           | DIN 51 350   | 3920                      |
| Temperature range, °C                                            | -            | -20 - +180                |

\* Values of the given parameters are typical for currently manufactured products, in the future they can be changed in accordance with the requirements of the manufacturer's specifications.



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Technical specifications Tixxonlube XS XHP 460  
Product Code: XSXHP460 Revision 20240220 v.1.0



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## SAFETY PRECAUTIONS FOR USE

The product is inflame-resistant and belongs to the third hazard class. Before use, read the technical description, safety data sheet and safe use data on the packaging label, information about its physical properties and health hazards.

## SHELF LIFE AND STORAGE

When stored below + 40°C in its original unopened packaging, the grease has a shelf life of 60 months from date of manufacture. Maximum preservation of operational qualities is achieved when stored in a cool room in a tightly closed container.

## HEALTH SAFETY INFORMATION

Tixxon products, under normal conditions of use and when observing good personal hygiene, do not pose a health hazard. For more information, visit our website [www.tixxon.com](http://www.tixxon.com) or consult your local representative.

## APPLICATION



manually,  
with a standard  
grease gun;



with a central  
grease transfer  
pump.

**!!** Every time you should work with extreme care in order to avoid contamination of the grease.

## LIMITED WARRANTY TERMS. READ THIS SECTION CAREFULLY

The information provided in this document is offered in good faith and is reliable. However, because the conditions and methods of use of our products are beyond our control, this information should not be used as a substitute for your own tests performed to confirm that Tixxon products are safe, effective, and fully satisfy the end use for which they are intended. Suggestions and recommendations for use should not be taken as an inducement to infringe any patent. We warrant only that this product will conform to its current specifications at the time of delivery.



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