



TIXXONLUBE T SHC 460

Tixxonlube T SHC 460 is a synthetic heavy duty grease developed on the basis of synthetic oil and polyurea. It is characterized by a wide operating temperature range and is suitable for rolling bearings at temperatures up to +200°C. If a centralized lubrication system is used, it can be used at temperatures up to +220°C.

This grease significantly reduces wear and has a high degree of adhesion and water resistance under both static and dynamic loads. The synthetic base combined with the oxidation resistance of polyurea thickeners guarantees good corrosion protection.

Tixxonlube T SHC 460 is used in melting equipment and rolling mills and is recommended for high-temperature units lubricated through a centralized system, e.g. rollers of continuous casting machines (slabs and other billets), conveyor rollers in continuous furnaces. Due to high operating temperatures, scale formation, water and corrosion, special requirements are placed on lubricants in such units.

Tixxonlube T SHC 460 is also suitable for assemblies in the metallurgical, cement and paper industries and can be used in wind power and mining applications.

TYPICAL PHYSICAL AND CHEMICAL PARAMETERS

PARAMETER	STANDARD	VALUE
Grease classification	DIN 51 502	KPHC1.5S-20
Colour, appearance	Visual	Brown
Thickener type	-	Polyurea
Type of base oil and additives	-	Synthetic
Kinematic viscosity of the base oil at 40°C, mm ² /s	DIN 51 562	460
Kinematic viscosity of the base oil at 100°C, mm ² /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	>250
Corrosion on copper plate	ASTM D4048	1a
Degree of corrosion (rolling bearings, distilled water)	ASTM D4048	0-0
Welding load at 25°C, N	DIN 51 350	3087
Temperature range, °C	-	-20 - +200 (+220)

* 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 T SHC 460
Product Code: TSHC460 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 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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