



TIXXONLUBE U SHC 32-1

Tixxonlube U SHC 32-1 is high performance anti-wear lubricant that is uniquely formulated with polyalphaolefin (PAO) based synthetic base oil and non-soapy bentonite thickener in its composition.

The lubricant provides superior performance over wide temperature range from -50 °C to +180 °C. Absence of paraffins in the composition of the synthetic base fluid, along with its high viscosity index compared to mineral oils, creates the conditions for the lubricant pumpability at low temperatures. In addition, Tixxonlube U SHC 32-1 provides very low starting and running torque, and helps to reduce operating temperatures in the area of rolling bearings.

Due to the bentonite thickener, the lubricant has high dropping point, around 260°C, which guarantees preservation of the product stable physical characteristics at high temperatures. Tixxonlube U SHC 32-1 resists water washout, provides excellent load carrying capacity, reduces frictional resistance and prevents excessive wear.

The product is effectively used in rolling bearings at high speeds and temperatures, as well as in loaded sliding guides, screw pairs.

TYPICAL PHYSICAL AND CHEMICAL PARAMETERS

PARAMETER	STANDARD	VALUE
Grease classification	DIN 51 502	KPHC1R-50
Colour, appearance	Visual	Brown
Thickener type	-	Bentonite
Type of base oil and additives	-	Synthetic (PAO)
Kinematic viscosity of the base oil at 40°C, mm ² /s	DIN 51 562	32
Kinematic viscosity of the base oil at 100°C, mm ² /s	DIN 51 562	3,2
NLGI class	DIN 51 818	1
Mixed grease penetration (60 double strokes), mm/10	DIN ISO 2137	310-340
Drop point, °C	DIN ISO 2176	>260
Corrosion on copper plate	ASTM D4048	1b
Welding load at 25°C, N	DIN 51 350	2067
Temperature range, °C	-	From -50 to +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.



TIXXON

Technical specifications Tixxonlube U SHC 32-1
Product Code: U SHC 32-1 Revision 20230703 v.1.0



TIXXONLUBE U SHC 32-1

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.

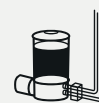
HEALTH SAFETY INFORMATION

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.



TIXXON

Technical specifications Tixxonlube U SHC 32-1
Product Code: U SHC 32-1 Revision 20230703 v.1.0