MULTIS COMPLEX SHD 100

DESCRIPTION

Synthetic high-performance Lithium Complex and Extreme-Pressure grease, dedicated to Heavy-Duty industry.

APPLICATIONS

MULTIS COMPLEX SHD 100, *Synthetic Heavy-Duty*, is a special complex lihium grease designed for high speed applications such as electromotors and fans where a long service life is required.

MULTIS COMPLEX SHD 100 is particularly developped for the lubrication of bearings working in extreme cold conditions. It is mechanically stable and still workable down to -50°C and up to 160°C. It protects also bearings form fretting corrosion.

MULTIS COMPLEX SHD 100 is adapted for the lubrication in equipment under wet conditions and helps to reduce significantly friction between metal surfaces and hence reduce vibrations.

MULTIS COMPLEX SHD 100 is also suitable to lubricate thermoplastic materials.

SPECIFICATIONS

ISO 6743-9: L-XEEHB 2

DIN 51502: KP2P- 50

ADVANTAGES

MULTIS COMPLEX SHD 100 meets the lubrication requirements for very different types of equipment.

Its slow traction coefficient makes it possible to anticipate energy gains and an increase in the service life of the bearings.

Miscible with most conventional soap greases (consult TotalEnergies Lubrifiants).

Very good resistance to water, variations in temperature and pollution. Permits longer lubrication intervals.

MULTIS COMPLEX SHD 100 contains no lead or any other heavy metal deemed harmful to human health or environment.

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. is obtainable via your commercial adviser www.quick-fds.com.

TotalEnergies Lubricants
SA 552 006 454 RCS Nanterre - France

TECHNICAL DATA SHEET

V.01/2023

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RECOMMENDATIONS

MULTIS COMPLEX SHD 100 is recommended for temperatures between -50°C and +160°C.

TYPICAL CHARACTERISTICS

PROPERTIES	METHODS	UNITS	MULTIS COMPLEX SHD 100
Thickener		-	Complex Lithium
NLGI Grade	ASTM D 217/DIN 51 818	-	2
Color	Visual	-	Yellow
Appearance	Visual	-	Smooth
Operating temperature range		°C	-50 to 160
Penetration at 25°C	ASTM D 217/DIN 51 818	0.1 mm	265-295
Penetration at -40°C	NF T 60 171 mod.	0.1 mm	>160
Low temperature Torque at -40°C - Starting torque - Running torque	ASTM D1478	mNm	 383 51
Mechanical stability P100,000 – P60	ASTM D 217/DIN51 818	0.1 mm	23
Antirust performance	ASTM D 1473	Rating	Pass
4-ball weld load	ASTM D 2596	Kgf	> 400
4-ball wear	ASTM D 2266	mm	0,5
Dropping point	IP 396/NFT 60 102 C	°C	>280
Base oil viscosity at 40 °C	ASTM D 445/DIN 51 562-1/ISO 3104/ IP71	mm^2/s (cSt)	100

Above characteristics are mean values given as an information.

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