



MULTIS COMPLEX SHD 220

DESCRIPTION

Synthetic high-performance lithium complex, Extreme-pressure grease.

APPLICATIONS

MULTIS COMPLEX SHD 220 is a very high performance synthetic grease recommended for the lubrication in all industrial applications under severe conditions and more especially designed in case of high temperature applications in which a lithium grease or a conventional complex lithium grease is not sufficient.

MULTIS COMPLEX SHD 220 is a grease offering an excellent protection of bearings subjected to high loads and slow to moderate rotational speeds. Is also suitable for applications under wet conditions. Could be used in case of plastic contacts.

MULTIS COMPLEX SHD 220 is especially designed for dry section in papermaking industry, in particular felt rolls. Moreover, the low volatility of the synthetic base oil together with the excellent high temperature properties enable maximization of the lubrication intervals.

SPECIFICATIONS

ISO 6743-9: L-XEEHB 2

DIN 51502: KP2P -50

ADVANTAGES

MULTIS COMPLEX SHD 220 meets the lubrication requirements for very different types of equipment.

Its low 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 Lubrificants).

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

MULTIS COMPLEX SHD 220 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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SHD 220**



RECOMMENDATIONS

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

TYPICAL CHARACTERISTICS

PROPERTIES	METHODS	UNITS	MULTIS COMPLEX SHD 220
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
Dropping point	IP 396/DIN ISO 2176	°C	>275
Water Wash-Out	ASTM D1264	% poids	5
Flow pressure 1400 mbar	DIN 51805	°C	<-50°C
Flow pressure at -40 °C	DIN 51805	mbar	550
Flow pressure at -50 °C	DIN 51805	mbar	1125
Starting torque at -40°C	ASTM D1478	mN.m	274
Penetrability at -40°C	NFT 60 171	0.1 mm	129
SKF- EMCOR Antirust performances	DIN 51 802/IP220/NFT 60-135/ISO 11007	Cotation	0-0
4-ball EP	ASTM D2596	Kgf	620
Base oil viscosity at 40 °C	ASTM D 445/DIN 51 562-1/ISO 3104/ IP71	mm²/s (cSt)	220

Above characteristics are mean values given as an information.

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