



Product Data

Tribol™ GR CLS 2

Water-resistant long-term grease

Description

Castrol Tribol™ GR CLS 2 (previously called Olit™ CLS) is lithium/calcium based extremely water-resistant high performance grease.

It protects against wear and is optimally suited for long-term application and long relubrication intervals. Its extreme resistance against water, caustic soda and detergents guarantees high operational reliability even under aggressive ambient conditions. In progressive centralized lubricating systems Tribol GR CLS 2 is easily pumpable and maintains its grease and long-term stability even under high operating pressures above 350 bar.

Application

- In highly loaded sliding and rolling bearings.
- Under difficult operating conditions, i.e. lubricating points exposed to weather, humidity, dust and high loads.
- As underwater grease for dredgers, lifting devices etc. in gravel plants and sewage treatment plants.
- For bearing lubrication in the beverage and sugar industries.
- In progressive centralized lubricating systems even under high working pressures above 350 bar.
- Temperature application range: - 30°C/- 22°F to + 120°C/+ 248°F

Advantages

- High resistance against: water, detergents and caustic soda
- Optimum sealing of bearings due to water-resistant grease collar
- Excellently pumpable in centralized lubricating systems, no blocking of the distributors
- Aging-resistant and shear-stable
- Long-term stability
- Excellent pressure resistance
- Very good corrosion protection

Typical Characteristics

Name	Method	Units	Tribol GR CLS 2
Colour	Visual	-	Beige
Base oil	-	-	Mineral
Thickener type	-	-	Lithium- Calcuim
Worked Penetration (60 strokes @ 25 °C/77 °F)	ASTM D217/ ISO 2137	0.1 mm	265-295
Density @ 20 °C/68 °F	Inhouse method	kg/m ³	905
Dropping point	ASTM D566/ ISO 2176	°C/°F	150/300
Water Resistance	DIN 51807-1	Rating	1
Rust Test - EMCOR (distilled water)	ASTM D6138 / ISO 11007	Rating	0
Copper Corrosion (24 hrs,100 °C/212 °F)	ASTM D4048	Rating	1
Oil Separation (168 hrs @ 40 °C/104 °F)	IP 121/DIN 51817	%wt	1.5
Flow pressure @ -20 °C/-4 °F	DIN 51805	hPa	300
Flow pressure @ -35 °C/-31 °F	DIN 51805	hPa	800

Subject to usual manufacturing tolerances.

Additional Information

Please follow the specifications of the bearing and plant manufacturers.

Fill rolling bearing only about half-full with Tribol GR CLS 2.

In case of relubrication, pump grease into the bearing until fresh grease vents.

This product was previously called Olit CLS. The name was changed in 2015.

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02 Feb 2015

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