

Tribol™ GR 400 PD Range

Long-term greases with MicroFlux Trans

Description

Castrol Tribol™ GR 400 PD (previously called Olista™ Longtime) is a range of mineral oil based, lithium soap greases enhanced with the MicroFlux Trans (MFT) additive system. They are particularly suited for long-term lubrication and for heavy mechanical loads such as extremely high pressures, vibrations, and shock loads.

Application

- For long-term lubrication, even under the most difficult operating conditions such as extreme pressure, vibrations, shock loads, and wide temperature range in highly loaded rolling and sliding bearings
- For open gear wheels and worm gears at low speeds
- Tribol GR 400-3 PD (previously called Olista Longtime 3 EP) is especially suited to highly loaded bearings in all areas of industry
- Temperature application range:
 - -30°C / -22°F to +140°C / +284°F for Tribol GR 400-2 (previously called Olista Longtime 2)
 - -25°C / -13°F to +140°C / +284°F for Tribol GR 400-3 (previously called Olista Longtime 3 EP)

Advantages

Compared to conventional greases, the Tribol GR 400 PD Range provides the following advantages:

- Shortened running-in phase, suited for long term and in some cases, lifetime lubrication
- Outstanding load bearing capacity
- Optimum wear protection in the high load range
- Smooths existing surface damage
- Significantly reduced coefficient of friction
- Age-resistant and shear-stable
- Resistant to cold and hot water
- Extraordinary adhesion, water and dirt-repellent
- Extended service life of machine elements
- Tribol GR 400-2 PD provides excellent corrosion protection
- Tribol GR 400-3 PD helps to prevent fretting corrosion

As a result of the above advantages, the Tribol GR 400 PD Range can help lower the costs of energy, maintenance, and disposal.

Typical Characteristics

Name	Method	Units	GR 400-2 PD	GR 400-3 PD
Color	Visual	-	Brown	
Base Oil	-	-	Lithium Soap / Mineral Oil	
Worked Penetration (60 strokes @ 25 °C/77 °F)	ISO 2137/ASTM D217	0.1 mm	265 - 295	220 - 250
Worked Penetration (100,000 strokes @ 25 °C/77 °F)	ISO 2137/ASTM D217	0.1 mm	35	30
Dropping Point	ISO 2176/ASTM D566	°C/°F	>180/>356	>185/>365
Water Resistance	DIN 51807-1	Rating	1 - 90	1 - 90
Rust Test - EMCOR (distilled water)	ISO 11007/ASTM D6138	Rating	0	n/a
Copper Corrosion (24 hrs, 100 °C/212 °F)	ASTM D4048	Rating	1	1

Subject to usual manufacturing tolerances.

Additional Information

In order to minimise potential incompatibilities when converting to a new grease, all previous lubricant should be removed as much as possible prior to operation.

During initial operation, re-lubrication intervals should be monitored closely to ensure all previous lubricant is purged.

This product was previously called Olista Longtime Range. The name was changed in 2015.

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