



Tribol GR PS HT Range

High-temperature Greases

Description

Castrol Tribol™ GR PS HT (previously named Optitemp PS) are solid-free high-temperature greases for highly loaded rolling and sliding bearings at low and medium speeds. These products feature a water resistance which is exceptional for high-temperature greases as well as an excellent corrosion protection. Tribol GR PS HT Range are easily conveyable in centralized lubricating systems and is therefore especially suited for total loss lubrication.

Application

- Sterilizers in the food and beverage industries.
- Eccentric presses, forging presses.
- Continuous casting plants.
- Calender bearings.
- Bearings in Conti presses in the wood industry.
- Roll stand bearings.
- Temperature application range: - 25°C/- 13°F to + 160°C/+ 320°F (up to +200°C/+ 392°F in case of total loss lubrication)

Advantages

- High wear protection - even at slow speeds. High load carrying capacity.
- Resistant to hot and cold water. High corrosion protection.
- Excellently suited for centralized lubricating systems (Tribol GR PS 1 HT)

Typical Characteristics

Name	Method	Units	PS 1 HT	PS 2 HT
Colour	Visual	-	Blue	Brown
Base oil	-	-	Mineral Oil	Mineral Oil
Thickner type	-	-	Polyurea	Polyurea
Worked Penetration (60 strokes @ 25°C / 77°F)	ASTM D217 / ISO 2137	0.1 mm	325	280
Density @ 20°C / 68°F	Inhouse method	kg/m ³	910	915
Base Oil Viscosity @ 40°C / 104°F	ASTM D445 / ISO 3104	mm ² /s	460	460
Dropping Point	ASTM D566 / ISO 2176	°C/°F	>240/ >464	274/ 525.2
Rust Test - EMCOR (distilled water)	ASTM D6138 / ISO 11007	Rating	0	0
Copper Corrosion (24 hrs,100°C / 212°F)	ASTM D4048	Rating	1	1
Flow pressure @ -20°C / -4°F	DIN 51805	hPa	300	850

Subject to usual manufacturing tolerances.

User Advice

Please observe the bearing manufacturers' specifications.

Do not mix Tribol GR PS HT with other greases. In case of doubt please contact the Technical Service.

This product was previously named **Optitemp PS**. The name was changed in 2015

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