

## **Castrol Premium Heavy Duty (Replaces LMX Grease) Lithium Complex Grease**

### **Description**

Castrol Premium Heavy Duty is a high temperature multipurpose lithium complex grease.

### **Application**

Castrol Premium Heavy Duty is designed for plain and roller bearing applications operating at temperatures beyond the limits of conventional Lithium greases.

The excellent stability, load carrying and high temperature performance of Castrol Premium Heavy Duty make it particularly suitable for use in wheel bearings of vehicles operating at high speeds over long distances, or where prolonged heavy braking is likely to give higher than normal hub temperatures.

Castrol Premium Heavy Duty is Castrol's primary recommendation for vehicles operating with disc brakes. It is also recommended for general purpose greasing on a wide range of industrial plant, particularly if operating under conditions of high load and temperature.

Its excellent shear stability provides resistance to grease softening or hardening and its high melting point prevents leakage from bearings at high operating temperatures.

**NEVER MIX GREASES.** Remove old grease from the bearing or cavity before a new product is applied. This avoids the danger of **INCOMPATIBILITY** which is usually evident by excessive softening and leaking of grease out of the bearing or cavity, consequently diminishing their life. It is **NOT** compatible with Bentone (clay) and aluminium complex based greases.

Always ensure the correct grease is applied as specified by any equipment or vehicle manufacturer by referring to the operators manual.

### **Advantages**

- Excellent thermal stability and wide temperature range.
- Reduced oil separation and resistance to hardening under pressure.
- High load carry capacity.
- Good water resistance.
- Excellent EP and anti-wear properties – protects equipment against extreme loading and assists in minimizing bearing component wear.
- An optimized combination of Lithium thickener, highly refined base oil and specially selected base oil offers excellent all-round operating performance.

## Typical Characteristics

Name	Method	Units	Premium Heavy Duty Grease
Thickener			Lithium Complex
Appearance	Visual		Blue, Buttery and Adhesive
NLGI	ASTM D217		2
Dropping Point, Minimum	ASTM D2265	°C	250+
Penetration Worked 60 cycles	ASTM D217	1/10mm	275
TIMKEN OK Load		Kg	23
Base oil Kinematic Viscosity, 40°C	ISO 12058	mm <sup>2</sup> /s	180

The above data is typical and does not constitute a specification.

## Product Removal

- Bare Metal Surfaces:** Remove with Castrol solvent cleaners or water based degreasers.  
**Hand Cleaning:** Use any of the Castrol range of hand cleaners; e.g. CareClean Plus.  
**Other Surfaces:** Contact your local Technical Advice Line on 1300 557 998.

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