



Product Data

LMX GREASE

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Lithium Complex Grease

DESCRIPTION

Castrol LMX is a high performance lithium complex grease intended for use in ball or roller bearings operating at high speeds and high loads, or at temperatures beyond the limits of conventional lithium bearing greases.

APPLICATION

Castrol LMX Grease has been designed for use in a wide variety of applications, the excellent stability, load carrying and operating temperature characteristics make Castrol LMX particularly suited for use in the wheel bearings of vehicles operating at high speeds or over long distances, or where prolonged heavy braking is likely to give higher than normal hub temperatures.

FEATURES

- ◆ Reduced oil separation and resistance to hardening under pressure
- ◆ Excellent thermal stability and wide operating temperature
- ◆ High load carrying capacity
- ◆ Good water resistance and adhesion to metal surfaces

BENEFITS

- ◆ Longer grease life at high pressures
- ◆ Excellent wheel bearing grease
- ◆ Bearing wear reduced
- ◆ Will not wash out easily

ADDITIONAL INFORMATION

Approved by Leyland Bus (Specification GX) and fully complies with British Timken wheel bearing grease requirements for passenger cars, trucks and buses

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TYPICAL PHYSICAL CHARACTERISTICS

Appearance	-	Brown, smooth grease
NLGI Number	-	2
Base oil viscosity cSt @ 40°C	-	180
Operating Temperature Range °C	-	-40°C to 150°C
Drop Point °C	IP 132	260
Worked Penetration	IP 50	265
Roll Stability, Consistency after 100 hours	ASTM D1831	329
Oil Separation 42 hours at 40°C	IP 121	2.5
Emcor Corrosion Test	IP 220	0
4-Ball Load Test, Weld Point, kg	IP 239	350
Timken OK Load, kg	IP 326	20
IP Bearing Performance (6000 rpm, 150°C, 136kg)	IP 168	Pass
Rolling Bearing Grease Churning Test	IP 266	Pass
SKF RZF Rig Test	DIN 51806	Pass
Wheel Bearing Leakage Test (104°C/130gm - Leakage, g)	ASTM D1246	5.2

Health and Safety information sheets are available for all Castrol products from the address below:
**Castrol (U.K.) Limited, Pipers Way, Swindon, Wiltshire SN3 1RE, England, Telephone:
Orders/Enquiries (08459)645111, Technical Enquiries (01793)452111, Fax (01793)491442**

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