

Petronas Grease LiCa MG XHL

Ultimate Heavy Duty Lithium Calcium Grease Fortified with Friction Reduction Additives and extreme high load carrying EP performance additives in a heavy base oil

**Extreme Pressure****Water Resistant****Corrosion Protection**

Description

Petronas Grease LiCa MG XHL is a smooth-textured, functional polymer based dual thickened lithium-calcium, resilient ultra-heavy duty grease of NLGI 2 consistency, which combines the performance advantages of both lithium and calcium greases. It boasts exceptional Extreme Pressure (EP) additives, outstanding film thickness enhancement through advanced polymer technology to reinforce boundary lubrication scenarios built around a high viscosity base oil, oxidation, rust and corrosion inhibitors and is fortified with proprietary dual solid friction reduction additives. Ultimate wear protection, water washout and spray off resistance, along with enhanced rust inhibition. Outstanding at low temperatures and provides prolonged life in demanding applications at elevated temperatures. Predominantly used in applications requiring extraordinary heavy duty grease for long-term use in equipment with an operating temperature range of -20°C to 120°C.

Whilst it is generally compatible with all lithium based greases, advice should be obtained before mixing it in applications containing other greases.

Applications

Petronas Grease LiCa MG XHL recommended for use as chassis grease and it is dynamic for "off-road" applications in civil engineering (pin and bush) and agriculture. Further applications include lubrication of industrial plain and anti-friction bearings where severe or shock loads are experienced. Exceptional in applications involving oscillating or limited relative motion, where fretting corrosion is likely to occur. Unrivalled performance in constant velocity joints (CVJ), machine tools, vibrating shafts and sliding mechanisms such as Pin and Bushes.

Tried and tested in severe environments. Dominant for a range of OEM's such as CAT, Bell, Hitachi, Sumitomo, Liebherr and Komatsu.

Operating temperature range from -20°C to +120°C

Features & Benefits

- Excellent pumpability across operating temperature range.
- **Ultra high** shock load capability.
- Superior resistance to water washout and spray off.
- Multi-application convenience.
- Resilient wear, oxidation and rust protection.
- Dual solid lubricants for reduced friction and energy savings.
- Long Service Life and reduced re-lubrication frequencies.

Product Data Sheet

Effective Date 01.01.2015 Version 1.0

PETRONAS
High Performance Grease



Typical Properties

	Test Method	Unit	Petronas Grease LiCa MG XHL
DIN classification	DIN 51502		KPF2K-20
ISO classification	ISO 12924		L-XB(F)CHB2
NLGI Grade	ASTM D217		2
Thickener Type			Lithium Calcium
Colour	Visual		Black
Penetration, @ 25°C Worked	ASTM D217	0.1 mm	280
Dropping Point	IP 396	°C	190
Base Oil Type			Mineral
Viscosity of Base Oil @ 40°C	ASTM D445	cSt	1000
4-Ball Weld Load	DIN 51350:4	N	8000
Molybdenum Disulphide Content	Calculated	%	2
Graphite Content	Calculated	%	3
Density	IP PM-CS/03	g/ml	0,96

Health & Safety

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Safety Data Sheet (SDS) are followed. MSDS's are available upon request through your sales contract office, or via the Internet. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment. Due to continual product research and development, the information contained herein is subject to change without notification.