

## PETRONAS Grease LiCa Semi Syn

High Performance Semi Synthetic Lithium Calcium Grease for Agricultural and Industry Equipment



Extreme Pressure



Corrosion Protection



Water Resistant



Semi Synthetic Lubricant



Multi Purpose

### Description

**Petronas Grease LiCa Semi Syn** is a long life, part synthetic, multi polymer based lithium-calcium heavy duty grease specifically designed for farm equipment, agricultural, forestry machinery, general automotive and chassis lubrication. It is also recommended for the lubrication of industrial plain and anti-friction bearings even where severe or shock loads are experienced.

Scientifically designed with multiple polymers, this grease is self-sealing which assists in keeping the lubricant in, and contaminants out. It gives unparalleled protection of lubricated parts subjected to vibration, shock loading, high temperatures and high levels of contaminants such as The technology used covers a wide range of applications in the mining and construction equipment which is exposed to high levels of water and dust contamination. It contains extreme pressure additives as well as oxidation, rust and corrosion inhibitors. Whilst providing exceptional wear protection, good water resistance and rust inhibition, it can be dispensed at low temperatures and provides good service life in applications operating at elevated temperatures.

It may be used in most applications requiring an NLGI 2, multipurpose, EP grease and is recommended for long-term use in equipment. Whilst it is generally compatible with all lithium and lithium-calcium greases, advice should be obtained before mixing it in applications containing other greases.

### Applications

**Petronas Grease LiCa Semi Syn** is designed to meet most agricultural and forestry equipment applications requiring a lithium or calcium based NLGI 2, multipurpose, extreme pressure grease and is coloured red for easy identification. Some of the many applications are Wheel bearings, steering boxes, propeller shaft universal joints, chassis, water pumps, 5th wheel, brake cams, roller and ball bearings, plain bearings, ball joints, splines and slides. Other industrial applications include machine tools, electric motor bearings, geared couplings at normal speeds, vibrating shafts and sliding mechanisms. Especially suited for wet applications and areas where chemical process water makes contact with the grease. Whilst it is generally compatible with all lithium, calcium and lithium-calcium greases, advice should be obtained before mixing it in applications containing other greases.

Wide operating temperature range -20°C to 140°C.

### Features & Benefits

- Synthetic Performance
- Multipurpose convenience
- Excellent pumpability
- Shock load capability
- Enhanced oxidative stability
- Superior wear and rust protection
- High resistance to water wash and chemical process water
- Extended service life & re-lubrication intervals

## Product Data Sheet

Effective Date 01.01.2015 Version 1.0

# PETRONAS

High Performance Grease



### Typical Properties

	Test Method	Unit	Grease LiCa Semi Syn
DIN Classification	DIN 51502 DIN 51825		KP2K-20
ISO Classification	ISO 12924		L-XB(F)CHB2
NLGI Grade	ASTM D217		2
Thickener Type			Lithium Calcium
Colour	Visual		Red
Penetration, @ 25°C Worked	ASTM D217	0.1 mm	280
Dropping Point	IP 396	°C	190
Base Oil Type			Semi-synthetic
Viscosity of Base Oil @ 40°C	ASTM D445	cSt	660
4-Ball Weld Load	DIN 51350:4	N	4000
4-Ball Wear Scar 40kg/1hr	DIN 51350:5	mm	0.5
20,000 Strokes Worked Penetration	ASTM D217	% Change	10
Shell Roll Stability – 24hrs	ASTM D1831	% Change	10
Density	IP PM-CS/03	g/ml	0.92

### 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.