

TECHNICAL DATA SHEET | GREASE

# Engen Grease GP and SP

*Premium Lithium Automotive Greases*



Extreme  
Pressure



Corrosion  
Protection



Multipurpose



Water  
Resistant



**PETRONAS**

Engen is a  
member of the  
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## Description

High quality lithium based multipurpose greases intended primarily for automotive applications. Whilst Grease GP and SP are both manufactured using lithium 12-hydroxystearate soap, SP differs from GP in that it is fortified with molybdenum disulphide solid lubricant additive.

These high-quality greases have a high level of chemical stability, excellent structural stability, and resistance to water washing and provide maximum protection against wear.

## Application

Grease GP is recommended for general automotive applications such as wheel bearings, steering fittings, grease cups and water pump bearings. Operating temperature range from -12°C to +130°C.

Grease SP is particularly suitable for applications involving oscillating or limited relative motion and where fretting corrosion is likely to occur. Such applications include chassis lubrication and grease lubricated universal joints (CV Joints). Operational range from -12°C to +130°C.

## Benefits & Features

- Formulated with highly refined base stocks.
- High resistance to water wash-out.
- Excellent protection against rust and corrosion.
- Long service life and superior wear protection.
- Good retention under shock loading.
- Improved ecological friendly additives.

## Performance Level

Meets or exceeds the following Industry Standards:

- DIN 51502, KP2K-20 – Grease GP
- DIN 51502, KF2K-20 – Grease SP



With us you are Number One

**ENGEN**

## Typical Physical Characteristics

ENGEN GREASE GP AND SP				
PARAMETERS	METHODS	UNITS	TYPICAL VALUES	
Grease	-	-	GP	SP
DIN Classification	DIN 51502	-	KP2K-20	KF2K-20
NLGI Grade	ASTM D217	-	2	2
Thickener Type	-	-	Lithium	Lithium
Colour	Visual	-	Green/Blue	Gey
Penetration, @ 25°C Worked	ASTM D217	0.1 mm	280	280
Dropping Point	IP 396	°C	192	192
Viscosity of Base Oil @ 40°C	ASTM D445	cSt	190	190
4-Ball Weld Load	DIN 51350:4	N	3000	3000
4-Ball Wear Scar 40kg/1hr	DIN 51350:5	mm	0.5	0.5
Timken OK Load	IP 326	Lbs	60	60
Oil Separation	ASTM D 1742	%	5	5
20,000 Strokes Worked Penetration	ASTM D217	% Change	10	10
Shell Roll Stability – 24hrs	ASTM D1831	% Change	10	10
Molybdenum Disulphide Content	Calculated	%	0	0
Density	IP PM-CS/03	g/ml	0.92	0.92
Wheel Bearing Leakage @ 105°C	ASTM D1263	%	5	5
Copper Corrosion	ASTM D4048	-	1A	1A
Oxidation Stability @ 100hrs	ASTM D942	kPa Drop	50	50

All technical data is provided for reference only. These characteristics are typical of current production. Whilst future production will conform to Engen's specification, variations in these characteristics may occur.

11.2021

## Health, Safety and Environment

This product is unlikely to present any significant health and safety hazards when used in the recommended application. Avoid contact with skin. Wash immediately with soap and water after skin contact. Do not discharge into drains, soil or water. For further detail regarding storage, safe handling, and disposal of product, please refer to product SDS.

Safety Data Sheets are available for all our products and should be only be consulted for appropriate information regarding storage, safe handling and disposal of the product. No responsibility shall be taken by either Engen or its subsidiaries and related holding corporation for any loss or injury or any direct, indirect, special, exemplary, consequential damages or any damages whatsoever, whether in action of contract, negligence or other tortuous action, in connection or resulting from abnormal use of the materials and/or information, from any failure to adhere to recommendations, or from hazards inherent in the nature of the materials and/or information.

All products, services and information supplied are under our standard conditions of sale. Please consult with any of our local representative in the event you require any further information.

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