

Engen Premium EP Series

Premium Industrial Lithium Grease



EXTREME
PRESSURE



CORROSION
PROTECTION



WATER
RESISTANT

Description

Premium EP 2 and EP 3 are smooth textured, NLGI 2 and 3 Lithium 12 hydroxystearate based greases which contain an EP (extreme pressure) additive, oxidation, rust, and corrosion inhibitors. These greases provide exceptional wear protection, good water wash resistance, low temperature dispensing and long life in bearings operating at elevated temperatures.

Application

Premium EP 2 and EP 3 are recommended for the lubrication of both plain and anti-friction bearings even where severe or shock loads are experienced. Other applications include bushings and pins, geared couplings at normal speeds, vibrating shafts and sliding mechanisms under normal operating conditions.

The stiffer NLGI 3 grease is mainly recommended for applications where maximum protection against penetration of water or solid contaminants is required.

Operating temperatures for both Premium EP 2 and EP 3 is -12°C to +130°C.

Performance Level

- Exceeds SABS 1851 Grease Specification
- Meets Concawe DPD required guidelines

Benefits

- Excellent pumpability.
- Shock load capability.
- Multipurpose convenience.
- Superior wear protection.
- Very good resistance to water wash.
- Improved ecological friendly additives
- Formulated with highly refined base stock

Pack Sizes

Engen Premium EP 2

- 18kg Pail
- 50kg Keg
- 180kg Drum

Engen Premium EP 3

- 18kg Pail
- 180kg Drum

Due to continual product research and development, the information contained herein is subject to change without notification. Refer to the Material Safety Data Sheet (MSDS) for information on the safe handling and use of this product.

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Typical Physical Characteristics

Property	Test Method	Units	Typical Results	
			2	3
Premium EP			2	3
NLGI Grade	ASTM D217		2	3
Thickener Type			Lithium	Lithium
Colour	Visual		Brown	Brown
Penetration, @ 25°C Worked	ASTM D217	0.1 mm	280	240
Dropping Point	IP 396	°C	192	193
Viscosity of Base Oil @ 40°C	ASTM D445	cSt	190	190
4-Ball Weld Load	DIN 51350:4	N	3000	3200
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
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

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