

SYG-1140/SYNTHETIC BASED LONG LIFE GREASE

Product Description

SYG-1140 grease is a high performance, extreme-pressure grease which combines a Synthetic base fluid with a lithium complex soap thickener. The thickener system provides a high dropping point, excellent resistance to water wash, and a tenacious structural stability. The unique physical properties of the Synthetic base oil, combined with selective additives, provide outstanding protection against wear, rust, corrosion and high temperature degradation. The wax-free feature of the Synthetic base oil allows for low temperature mobility/pump ability and very low starting and running torque values. Also, the traction property of the Synthetic base fluid in these greases is considerably lower than Synthetic oil, allowing for temperature reductions in the load zone of rolling element bearings.

Application:

SYG-1140 is recommended for industrial applications which need a lubricant that can perform normal functions yet go far beyond in terms of high and low temperatures and long-life performance. It is available in NLGI Grade 2 grease and has the cold temperature pumping resistance of most NLGI Grade 0 greases. It is a true wide temperature, multi service grease. SYG-1140 is also available in NLGI GRADES 1, 0 & 00, and is recommended for industrial applications at both high and low temperatures. It will provide outstanding bearing protection under heavy loads at low to moderately high speeds, and where water is a factor. SYG-1140 has performed extremely well in steel mill and paper mill applications. It also has proven to be exceptional severe service automotive chassis grease.

Benefits:

- Operating range of -40° C to + 240° C
- Excellent resistance to rust, corrosion and oxidation
- Outstanding structural stability in the presence of water
- Low volatility
- Excellent wear protection under heavy loads and high temperatures
- Power saving capabilities
- Extended re-lubrication intervals

Technical Properties:

PROPERTIES	Test Method	Value	Value	Value	Value	Value
NLGI Grade		3	2	1	0	00
Type		Lithium Complex	Lithium Complex	Lithium Complex	Lithium Complex	Lithium Complex
Structure, Visual		Medium, Soft	Smooth , Slight Track	Smooth, Tacky	Smooth, Semi fluid	Smooth Poorty fluid
Viscosity of OilcSt @40°C	ASTMD445	100	100	100	100	100
Penetration	ASTMD217	230	270	330	365	410
DroppingPoint°C	ASTMD226 5	>250	>250	>250	> 250	>250
Color, Visual		RED	RED	RED	RED	RED
EPandWearProtection						
Four Ball Wear Test, Scardia., mm, ax	ASTM D2266	0.65	0.65	0.8	0.8	0.8
Four Ball EP WeldLoad,kg	ASTM D2596	250	250	250	250	250
Load Wear Index		45	45	49	49	49
Corrosion Prevention ,Rust Test	ASTM D1743	Pass	Pass	Pass	Pass	Pass
EMCOR/ SKF Water WashTest,IP220Modified		0/0	0/0	0/0	0/0	0/0
Water Washout,79°C(175°F,wt%	ASTM D1264	4	4	3	3	3

Available Packs: 1, 5, 18,180 Kg.

Shelf Life – 36 Months from the Manufacturing month

Due to continual product research and development, the information contained herein is subject to change without notification. Typical Properties may vary slightly. The Material Safety Data Sheet (MSDS) are available upon request through our sales office. All related specifications are meets or exceeds.