SYG-1365/220

Product Description

SYG-1365 is high performance, extreme-pressure greases which combine 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 mineral oil, allowing for temperature reductions in the load zone of rolling element bearings.

SYG-1365 NLGI Grade-2 grease 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-1365 has performed extremely well in steel mill and paper mill applications. It also has proven exceptional severe service automotive chassis grease.

Benefits

- SYG-1365 synthetic greases provide the following advantages when compared with mineral oil greases intended for similar services.
- Operating range of -40°C to +275°C.
- Excellent Resistant to rust, corrosion and oxidation.
- Outstanding structural stability in the presence of water.
- Excellent wear protection under heavy loads and high temperature.
- Power saving capabilities.
- Extended re lubrications intervals.
- Low volatility.

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Typical Properties

SYG-1365/220		Test Method
NLGI GRADE	2	
Soap Type	Lithium Complex	
Structure, Visual	Smooth, Slight Tack	
Color, Visual	White	
Penetration, Worked	265-295	ASTM D 217
Dropping Point °C (°F)	270(518)	ASTM D 2265
Viscosity of Oil		ASTM D 445
CST at 40°C	220	
CST at 100°C	33	
EP and Wear Protection		
Four Ball Wear Test, Scar dia., mm, max	0.8	ASTM D 2266
Four Ball EP Weld Load, kg	250	ASTM D 2596
Load Wear Index	49	
Corrosion Prevention, Rust Test	Pass	ASTM D 1743
EMCOR/SKF Water Wash Test, IP 220 modified	0/0	ASTM D 1264
Water Washout, 79°C (175°F), wt. %	3	
Bomb Oxidation, psi loss, 100hr, 210°F	2	ASTM D 942
Bomb Oxidation, psi loss, 500hr, 210°F	4	ASTM D 942
Weld Load (Min in Kg)		250

Available Packs: 18 and 180 Kg

Shelf Life – 36 Months from the Manufacturing month

* All related specifications are meets or exceeds.
Due to continual product research and development, the information contained herein is subject to change without notification. Typical Properties may vary slightly.

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Material Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Product **SYG-1365**

Supplier **PETRELPLUS INC.**
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Call # +91 22 6216 7072
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2. COMPOSITION

No harmful substances. Composition of Synthesized hydrocarbon base fluid, Lithium Complex thickener and proprietary additives.

3. HAZARDS INDENTIFICATION

FIRE	-Flammable at high temperature.
HEALTH	
Eye contact	-May cause mild irritation to the eyes upon direct contact.
Skin contact	-Prolonged contact may defat the skin or can cause dermatitis.
Inhalation	-hazards.
Ingestion	-Harmful if swallowed.

4. FIRST-AID MEASURES

Inhalation	-Remove person to fresh air. Seek medical help if discomfort persists.
Ingestion	-Do not induce vomiting. Seek medical support.
Skin Contact	-Immediately flush skin with plenty of water for at least 15 minutes.
Eye Contact	-Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally.

5. FIRE-FIGHTING METHODS

Extinguishing media	-Use dry chemical powder or carbon di – oxide or foam.
Special protective equipment	-Positive pressure self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURE

Personal protection	- Adequate ventilation, gloves, goggles, overalls and boots.
Environmental precautions	- Avoid entry into water courses.
Clean up method	- Absorb on inert material.

7. STORAGE AND HANDLING

Handling	- Impervious gloves & eye protection ensure good ventilation. Keep away from source of ignition.
Storage	- Store in a cool & dry place.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Respiratory protection	- Not required under normal conditions.
Skin/hand protection	- Impervious gloves, overalls, and boots.
Eye protection	- Use Goggles

9. TYPICAL PROPERTIES

Soap	- Lithium Complex
Color	- White
NLGI	- 2
Drop point, ^{0}C	- 270

10. STABILITY AND REACTIVITY

Stability	- Stable
Conditions to avoid	- Excessive temperatures
Materials to avoid	- Strong oxidizers
Hazardous decomposition products	- Oxides of carbon and nitrogen

11. TOXICOLOGICAL INFORMATION

Skin contact	- Possible irritation
Eye contact	- Possible irritation
Inhalation	- Not applicable
Ingestion	- Irritation. May cause lung damage.
Long term effect	- Not known

12. ECOLOGICAL INFORMATION

Mobility	- Mobile
Degradation	- Low
Accumulation	-Not expected
Short- & Long-Term effect	- Water pollutant

13. DISPOSAL CONSIDERATIONS

Dispose off according to local and national regulations.

14. TRANSPORT INFOMRATION

CPL	- Not applicable
IMO	-Not applicable

15. REGULATORY INFORMATION

Symbol(s)	-Not applicable
Phrase(s)	- Not applicable
Phrase(s)	- Not applicable

16. OTHER INFORMATION: PRODUCT SAFETY

For safety reasons, it is IMPERATIVE that customer: -Ensure that all those within their control who use the products are supplied with all relevant information contained within the Material Safety Data Sheet and Technical Bulletin concerning the applications for which the product is designed and any instructions or warning.