

STANPLUS SSEP ANTISCUFF SEMI SYNTHETIC EXTREME PRESSURE GEAR OILS

Product Description

STANPLUS SSEP lubricants are a family of Industrial extra Extreme Pressure Gear Lubricants. They are formulated with high quality semi synthetic oils, which help reduce sludge formation helping to increase oil service life. STANPLUS SSEP oils contain a sulphur / phosphorus extreme pressure additive system that gives high load carrying ability and protection against wear. In addition, these oils provide strong protection against corrosion of steel and copper containing alloys and resist Foaming. STANPLUS SSEP oils have good water handling properties so that water rapidly separates from the oil for easy water elimination.

STANPLUS SSEP oils can be used in either splash or circulating systems. STANPLUS SSEP gear oils are suitable for use wherever industrial gear oil is required. These are suitable for the lubrication of heavily loaded enclosed gear sets including spur, helical and bevel designs and provide protection in applications where shock loading occurs. STANPLUS SSEP may also be used in worm gears where specified. They may also be used for lubrication of plain bearings, and in rolling contact (antifriction) bearings.

STANPLUS SSEP oils have excellent water separation properties, such that excess water can be drained easily from lubrication systems to help extend the life of the gears and ensure efficient lubrication of the contact areas. Water can greatly accelerate surface fatigue of gears and bearings as well as promoting ferrous corrosion on internal surfaces. Water contamination should therefore be avoided or removed as quickly as possible after the occurrence.

Applications

STANPLUS SSEP Gear oils are used in a wide range of Industrial spur, helical, bevel steel-on-steel worm gearing and Extra Extreme Pressure Heavy Load Gear Boxes.

Recommended: For Liner polish machine, Gantry crane, Multi blade cutter machine and Epoxy resin lines.

Performance Standards

DIN-51517 PART-3

API GL-5

CINCINNATI MILACRON – Fives-P-74

FLENDER

ISO-12925-1 CKD

IS: 8406:1993

AISI 224

DAVID BROWN

AGMA 9005-F16

MIL-L-2105

SEB 181226

Benefits

- Excellent Demulsibility to Ease Water Removal.
- EP wear protection of gears and bearings.
- Resistance to sludge formation leads to outstanding system cleanliness.
- Excellent Oxidation Resistance for long oil charge life.

Typical Properties

Characteristics	TEST METHODS	100	150	220	320	460	680	1000
Appearance	Visual	Bright & clear	Bright & clear	Bright & clear	Bright & clear	Bright & clear	Bright & clear	Bright & clear
Base Oil	Mineral + PAO	Mineral + PAO	Mineral + PAO	Mineral + PAO	Mineral + PAO	Mineral + PAO	Mineral + PAO	Mineral + PAO
Color	ASTM D1500	Dark Brown	Dark Brown	Dark Brown	Dark Brown	Dark Brown	Dark Brown	Dark Brown
Density, gm/cm ³ , @29.5 deg C	ASTM D4052	0.8801	0.8801	0.8852	0.8865	0.8949	0.8939	0.91
Kinematic Viscosity @ 40°C, cSt	ASTM D 445	100	150	220	320	460	680	1000
Kinematic Viscosity @ 100°C, cSt	ASTM D 445	12.73	14.52	19.95	26.57	32.85	47.05	69.01
Viscosity Index, (min)	ASTM D 2270	120	120	120	120	120	120	120
Pour Point, °C, (max)	ASTM D 97	-21	-21	-15	-15	-12	-8	-3
Flash Point, COC, °C, Min	ASTM D 92	250	250	272	270	278	300	300
FZG Test, pass stages		12	12	12	12	12	12	12
Rust Test, 24 hours	ASTM D 665 A&B	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Timken OK Load, Kg	-	70	70	70	70	70	70	70

Available Packs: 20, 50, 210 Litres.

Shelf Life: 36 Months from 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. The Material Safety Data Sheet (MSDS) are available upon request through our sales office.

1. PRODUCT AND COMPANY IDENTIFICATION

Product STANPLUS SSEP SERIES
Supplier PETRELPLUS INC.
 One World Center, Tower One, 9th Floor, Senapati Bapat Marg,
 Lower Parel, Mumbai-400013, Maharashtra.
 Call # +91 22 6216 7072
 (Monday to Friday)
 Cell # +91 93522 25457
marketing@petrelplus.com
www.petrelplus.com

2. COMPOSITION

A composition of Semi Synthetic Oil and Additives.

3. HAZARDS IDENTIFICATION

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

Characteristics	100	150	220	320	460	680	1000
Appearance	Bright & clear	Bright & clear	Bright & clear	Bright & clear	Bright & clear	Bright & clear	Bright & clear
Viscosity Index (min)	120	120	120	120	120	120	120
Flash Point, COC, °C, Min	250	250	272	270	278	300	300
Rust Test, 24 hours	Pass	Pass	Pass	Pass	Pass	Pass	Pass

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 INFORMATION

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.