

SYF 930 SYNTHETIC HYDRAULIC FLUID (PAO)

Product Description

This PAO base SYF-930 Fluids are lubricants for hydraulic systems, vacuum pumps, motors, circulating systems, and general plant utility where extreme temperatures or severe applications require the performance characteristics of synthetic oils.

SYF-930 fluids are formulated with 100% synthetic base stocks compounded with anti-rust, anti-wear, and anti-oxidant additive systems.

Natural resistance to carbon and varnish formations provides for equipment operation with minimum deposits from thermal stresses.

Applications

SYF-930 is primarily recommended for severe service or extreme temperature applications.

These include hydraulic systems - ice machines, air compressors - turbines and circulating systems.

SYF-930 will also provide extra-long service life in any general-purpose system where R & O anti-wear type lubricants are required.

Benefits

- Elimination of carbonaceous and lacquer deposits.
- Low and high temperature stability (-85 to 260 ° C).
- Lower coefficient of friction.
- Compatibility with conventional seal materials.
- Less maintenance and down time.
- Greater biogradability compared to petroleum products.

Typical Properties

PROPERTIES	TEST METHOD	15	22	32	46	68	100	150	220
Specific Gravity 15.6 / 15.6 °C	ASTM1296	0.83	0.83	0.83	0.83	0.84	0.836	0.836	0.836
Flash Point °C	ASTMD92	250	250	250	255	265	265	265	265
Viscosity @ 40 °C CST	ASTMD45	17	22	32	46	68	97	147	221
Viscosity @ 100 °C CST	ASTMD45	4	4.7	6	8	10.6	14.2	19	25.5
Viscosity Index	ASTMD2270	137	137	137	145	145	148	148	148
Pour Point, °C, (max)	ASTM D 97	-85	-70	-70	-60	-50	-45	-40	-40
Fire Point °C	ASTM D 92	280	280	280	285	300	310	310	310
Aniline Point °C	ASTMD611	115	115	115	115	115	116	116	116

Available Packs: 1, 5, 20, 50 and 210 Ltr.
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. The Material Safety Data Sheet (MSDS) are available upon request through our sales office.

1. PRODUCT AND COMPANY IDENTIFICATION

Product SYNTHETIC HYDRAULIC FLUID (PAO)
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

Synthetic PAO base oil and propriety 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

Viscosity @ 40 °C CST - 17 to 221
Rust Test - Pass
Flash Point, °C, COC, (Min) - 250 to 265
Fire Point, °C - 280 to 310
Pour Point (max) - (-85) to (-40)

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- and 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.