

ULTRACHEM® PS SERIES
PARTIAL SYNTHETIC 4000 HOUR COMPRESSOR OILS
PRODUCT CODES: PS 32, 46, 68, 100, 150, 220

PRODUCT OVERVIEW

The Ultrachem PS Series is a blend of synthetic and premium petroleum base fluids designed for use in rotary screw, rotary vane and reciprocating air compressors. The unique additive systems and highest quality synthetic components in these products make them greatly superior to petroleum products.

Ultrachem PS Series extends service life up to 4,000 hours in rotary screw compressors under good operating conditions.

Air Release & prevention of foaming are critical performance characteristics in a compressor oil, ensuring reliable start-up and continuous compressed air availability. PS series are designed to provide rapid air release without excessive foaming to give trouble free operation even under cycling conditions.

APPLICATION DETAIL

- Rotary Screw Compressors
- Rotary Vane Compressors
- Reciprocating Compressors
- Centrifugal Compressors

KEY BENEFITS

- Extended oil change intervals compared to petroleum oils (3 X service life)
- Superior film strength
- Excellent anti-wear properties
- High flash point
- Low pour point

QUICK POINTS...

Name: *PS SERIES*

ISO Grade: *32 -220*

Base: *Semi-Synthetic*

Additive System: *AW / R&O / CI*

Color: *Pale Straw*

Food Grade: *No*

Main Application: *Compressors*

TYPICAL CHARACTERISTICS**

PRODUCT DATA	ASTM METHOD	PS 32	PS 46	PS 68	PS 100	PS 150	PS 220
ISO Grade	D2422	32	46	68	100	150	220
Viscosity, 40 °C	D445	32.0	44.5	73.0	107.0	148.0	232.0
Viscosity, 100 °C	D445	6.0	7.8	8.6	11.8	15.3	20.8
Viscosity Index	D2270	146	145	87	99	105	105
Flash Point, °C	D92	216/420	221/430	221/430	221/430	224/435	224/435
Pour Point, °C	D97	-40/-40	-36/-33	-33/-27	-30/-22	-24/-11	-26/-15
Copper Corrosion	D130	1b	1b	1b	1b	1b	1b
Demulsibility, min.	D1401	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Foaming Sequence, I, II, III	D892	<40/0	<40/0	<40/0	<40/0	<40/0	<40/0
Specific Gravity	D4052	0.9	0.91	0.91	0.91	0.91	0.91

**Characteristics are typical of production. Slight variations in the actual data may occur which will not affect performance.

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SPECIFICATIONS

- ISO 6743-3
- DIN 51506- VDL

COMPATIBILITY NOTES

- Compatible with most mineral oils and synthetics
- Compatible with most process gases
- Good compatibility with common seal materials, plastics, and paints.

SHELF LIFE

- Standard shelf life of (5) years from DOM applies to this product
- Shelf life may be extended and/or recertified upon individual case – please contact your Ultrachem, Inc. representative

HEALTH & REGULATORY STATEMENTS

- Classified as non-hazardous per OSHA GHS
- TSE/BSE compliant: product does not contain any materials of animal origin or derivatives
- FALCPA compliant: product does not contain any allergens
- RoHS compliant: product does not contain any EU RoHS substances
- REACH compliant: product does not contain any SVHC substances
- Guidelines on safety and storage may be found on the associated Safety Data Sheet (SDS@ultracheminc.com)

PACKAGING & SHIPPING AVAILABILITY

- 5 gallon pail (18.9 L) 1-3 business days
- 55 gallon drum (208.2 L) 1-3 business days
- 330 gallon tote (1249.2 L) 1-3 business days
- (2) 2.5 gallon case (18.9 L) 1-3 business days
- (6) 1 gallon case (22.7 L) 3-8 business days

Please contact your Ultrachem, Inc. representative for detailed information not covered in this data sheet.



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We therefore recommend you consult a FUCHS Lubricants Co. Application Engineer to discuss application conditions and the performance criteria of the products before the product is used. It is the responsibility of the user to test the functional suitability of the product and to use it with the corresponding care.

Our products undergo continuous improvement. We therefore retain the right to change our product program, the products, and their manufacturing processes as well as all details of our Product Information sheets at any time and without warning. With the publication of this Product Information sheet, all previous editions cease to be valid.

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