

# ULTRACHEM® P-ACO SERIES

**PREMIUM 4000 HOUR COMPRESSOR LUBRICANTS**

PRODUCT CODES: P-ACO 22, 32, 46, 68, 100, 150, 220, 320, 460

## PRODUCT OVERVIEW

The Ultrachem P-ACO Series is a group of high performance, multifunctional lubricants designed for use in many industrial applications. These are considered environmentally friendly since they are zinc free. These premium petroleum oils are Ultrachem's answer for petroleum oils where OEM specifications are critical. They are very useful where frequent change outs are necessary due to poor environments prone to contamination from dust, acids, solvents, gases, or other contaminants. The P-ACO Series has a service life of 2,000 – 4,000 hours under good operating conditions in rotary screw compressors and up to 2,000 hours in reciprocating compressors.

The additive chemistry found in this series provides high performance ashless hydraulic fluids and compressor oils with antiwear properties.

## APPLICATION DETAIL

- Rotary screw compressors
- Rotary vane compressors
- Reciprocating compressors
- Vacuum pumps
- Centrifugal compressors
- Hydraulic systems
- Turbines (AW)

## KEY BENEFITS

- Very high oxidation stability (extended service life)
- Very high load capacity
- Good demulsification
- Good corrosion protection against steel and non-ferrous metals
- Good filterability
- Excellent thermal and hydrolytic stability

### QUICK POINTS...

**Name:** P-ACO Series

**ISO Grade:** 22 - 460

**Base:** Mineral Oil

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

**Color:** Pale Yellow

**Food Grade:** No

**GHS Class:** None

**Main Application:** Compressors

## TYPICAL CHARACTERISTICS\*\*

PROPERTY	ASTM METHOD	22	32	46	68	100	150	220	320	460
ISO Grade		22	32	46	68	100	150	220	320	460
Viscosity, 40°C	D445	22.0	32.0	45.0	69.0	95.0	159.0	240.0	330.0	437.0
Viscosity, 100°C	D445	4.70	5.50	6.91	9.30	11.50	15.90	20.80	25.60	30.0
Viscosity Index	D2270	136	108	110	112	109	103	102	101	97
Specific Gravity, 20°C	D4052	0.85	0.86	0.86	0.87	0.88	0.89	0.87	0.89	0.89
Pour Point, °C	D97	-43	-43	-37	-34	-29	-29	-25	-10	-10
Flash Point, °C	D92	204	204	216	216	226	232	260	265	271
Copper Strip Corrosion	D130	1b	1b	1b	1b	1b	1b	1b	1b	1b
Rust Characteristics – Sea Water	D665B	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass

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

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## RECOMMENDATIONS & APPROVALS

- Hydraulic fluids according to: Cincinnati Machine P-68, P-69, P-70; Denison HF-0, HF-1, HF-2; DIN 51524, Part 2 and 3 (HLP, HVLP); ISO 6743/4 (HM, HV); ISO 11158 (HM, HV); AFNOR NF E 48-603 (HM, HV), SS 155434; SEB 181 222; U.S. Steel 126, 127 and 136
- Compressor oils according to: DIN 51506 (VBL, VCL, VDL); ISO / DP 6521 (DAA, DAB, DAH, DAG)

## COMPATIBILITY NOTES

- Compatible with mineral oils and most synthetics
- Compatible with most process gases
- Excellent 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](mailto:SDS@ultracheminc.com))

## PACKAGING & SHIPPING AVAILABILITY

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

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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