

ULTRACHEM® S SERIES

SYNTHETIC 6000+ HOUR COMPRESSOR LUBRICANTS
PRODUCT CODES: 32S, 46S, 68S, 100S, 150S

PRODUCT OVERVIEW

The Ultrachem S-Series is designed for high performance in rotary screw air compressors and vacuum pumps. These products utilize unique synthetic base stocks with an advanced additive system to maximize cost-performance effectiveness. Ultrachem S-Series compressor oils exhibit low carbon forming tendencies, excellent demulsibility performance, low volatility, and long fluid life compared to mineral-based solutions. This series has proven to protect equipment and extend component life at an advantageous cost level.

Ultrachem 32S, 46S and 68S are designed for rotary screw compressors and yield a service life of up to 8,000 hours (< 200°F). Ultrachem 100S and 150S are best suited for rotary vane or reciprocating compressors.

APPLICATION DETAIL

- Rotary Screw Compressors
- Reciprocating Compressors
- Vacuum Pumps
- Rotary Vane Compressors
- Centrifugal Compressors

KEY BENEFITS

- Compatibility with most synthetics including PAO's and esters
- Long oil life in high temperature operations means outstanding thermal and oxidation stability
- Long equipment life and maximum compressor efficiency due to superior wear & rust protection
- Excellent water separation characteristics
- Long lubricant life for less frequent oil changes
- Less oil consumption due to low volatility
- Proven performance in rotary screw air compressors
- Reduced downtime & trouble-free operation

QUICK POINTS...

Name: *S Series*
 ISO Grade: *32-150*
 Base: *Synthetic Blend*
 Additive System: *AW/R&O/CI*
 Color: *Pale Straw*
 Food Grade: *No*
 Main Application: *Compressors*

TYPICAL CHARACTERISTICS**

| PRODUCT DATA | ASTM METHOD | 32S | 46S | 68S | 100S | 150S |
|-----------------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| ISO Grade | | 32 | 46 | 68 | 100 | 150 |
| Viscosity, 40 °C | D445 | 36.6 | 45.2 | 67.0 | 95.4 | 153.0 |
| Viscosity, 100 °C | D445 | 6.5 | 7.5 | 9.9 | 12.4 | 17.0 |
| Viscosity Index | D2270 | 130 | 130 | 132 | 124 | 120 |
| Flash Point, °C | D92 | 252/486 | 263/506 | 261/501 | 255/491 | 261/501 |
| Pour Point, °C | D97 | -42/-44 | -39/-38 | -33/-27 | -31/-23 | -30/-22 |
| Copper Corrosion | D130 | 1a | 1b | 1b | 1a | 1a |
| Demulsibility, min. | D1401 | Excellent | Excellent | Excellent | Excellent | Excellent |
| Foaming Sequence I, II, III | D892 | <40/0 | <40/0 | <40/0 | <40/0 | <40/0 |
| Specific Gravity, 20°C | D4052 | 0.85 | 0.86 | 0.86 | 0.86 | 0.86 |

**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 DAA & DAB for reciprocating Air compressor & DAG for rotary compressors
- 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.



The information contained in this brochure is based on the experience and know-how of FUCHS Lubricants Co. in the development and manufacturing of lubricants and represents the current state-of-the-art. The performance of our products can be influenced by a series of factors, especially the specific use, the method of application, the operational environment, component pre-treatment, possible external contamination, etc. For this reason, universally-valid statements about the function of our products are not possible. The information given in this Product Information sheet represents general, non-binding guidelines. No warranty expressed or implied is given concerning the properties of the product or its suitability for any given application.

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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