

PRODUCT DATA SHEET



*Lubricate your
knowledge
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S-SYNVAC Series SYNTHETIC VACUUM PUMP FLUID

PRODUCT DESCRIPTION

S-SYNVAC Series are super synthetic Vacuum Pump Fluids designed to give excellent service and long fluid life in all types of vacuum pumps. These fluids have very low vapor pressure and very high oxidation resistance. They also have excellent thermal and shear stability

S-SYNVAC Series lubricants protect against wear, rust, corrosion and they work on rotary screw, sliding vane, reciprocating and liquid ring vacuum pumps, keeping them free from varnish, carbon, and sludge deposits.

PROPERTIES

- Outstanding thermal and oxidation stability and very long fluid life
- Very high viscosity index for better compressor protection
- Very low vapor pressure /volatility
- Excellent coolant properties
- Extremely high film strength and anti wear properties
- Very long life fluid allows for extend oil drains
- Excellent carbon and varnish control to help reduce deposit
- Excellent rust & corrosion control

TO ORDER or FOR ADDITIONAL INFORMATION

Sentinel Lubricants Corp.

P.O. Box 69-4240 Miami, FL 33269-1240

15755 NW 15th Ave Miami, FL 33169-5603

Tel: (305)625-6400 (800)842-6400 Fax: (305)625-6565

www.sentinel.synthetic.com





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S-SYNVAC Series

SYNTHETIC VACUUM PUMP FLUID

TYPICAL CHARACTERISTICS

| | <u>S-SYNVAC-68</u> | <u>S-SYNVAC-100</u> | <u>S-SYNVAC-150</u> | <u>S-SYNVAC-220</u> | <u>ASTM METHOD</u> |
|-----------------------------------|--------------------|---------------------|---------------------|---------------------|--------------------|
| ISO Grade | 68 | 100 | 150 | 220 | D-2442 |
| Viscosity Index | 130 | 133 | 128 | 143 | D-2270 |
| Viscosity cSt @ 40°C | 68.3 | 105 | 150 | 220 | D-445 |
| @100°C | 10.0 | 13.9 | 17.5 | 25 | |
| Pour Point °F | -43 | -40 | -40 | -40 | D-97 |
| Flash Point °F | 460 | 514 | 525 | 530 | D-92 |
| Four Ball Wear, mm 40kg, 1200 rpm | ----- | 0.5 | ----- | ----- | D-2266 |
| 167°F 1Hr, Scar Dia, mm | ----- | 0.40 | ----- | ----- | D-2266 |
| Copper Corrosion 24Hr | ----- | 1a | ----- | ----- | D-130 |
| Rust Test | ----- | Pass | ----- | ----- | D-665 A+B |
| Demulsibility, 130°F, 30min | ----- | 40/40/0 | ----- | ----- | D-1401 |
| Vapor Pressure mm Hg @ 80°F | ----- | 0.00005 | ----- | ----- | D-2266 |
| Specific Gravity, at 68°F | 0.834-0.838 (60°F) | 0.839-0.843 | 0.844 - 0.848 | 0.849 - 0.853 | |
| Molecular Weight GPC, # AVG | 690 | 751 | | | |
| Pin #: | 14968 | 14989 | 14995 | 14998 | |

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TYPICAL CHARACTERISTICS

| | <u>S-SYNVAC-15</u> | <u>S-SYNVAC-22</u> | <u>S-SYNVAC-32</u> | <u>S-SYNVAC-46</u> | <u>ASTM METHOD</u> |
|-----------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| ISO Grade | 15 | 22 | 32 | 46 | D-2442 |
| Viscosity Index | 129 | 125 | 123 | 130 | D-2270 |
| Viscosity cSt @ 40°C | 14.8 | 20.1 | 33.1 | 47.2 | D-445 |
| @100°C | 3.6 | 4.3 | 5.9 | 7.7 | |
| Pour Point °F | -55 | -53 | -50 | -45 | D-97 |
| Flash Point °F | 386 | 398 | 430 | 440 | D-92 |
| Four Ball Wear, mm 40kg, 1200 rpm | | | 0.5 | | |
| 167°F 1Hr, Scar Dia mm | | | 0.40 | | D-2266 |
| Copper Corrosion 24Hr | | | 1a | | D-130 |
| Rust Test | | | Pass | | D-665 A+B |
| Demulsibility, 130°F, 30min | | | 40/40/0 | | D-1401 |
| Vapor Pressure mm Hg @ 80°F | | | 0.00005 | | |
| Specific Gravity, at 60°F | 0.817-0.820 | 0.821-0.824 | 0.825-0.829 | 0.830-0.834 | |
| Molecular Weight GPC, # AVG | 443 | 501 | 554 | 629 | |
| Pin #: | 14915 | 14922 | 14932 | 14948 | |

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