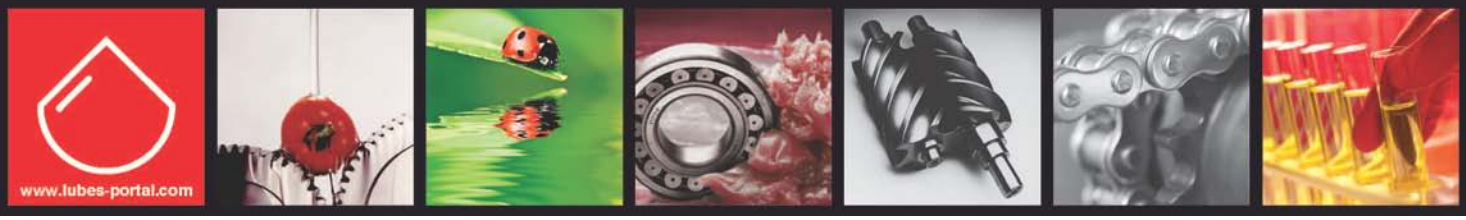


Vacutop S

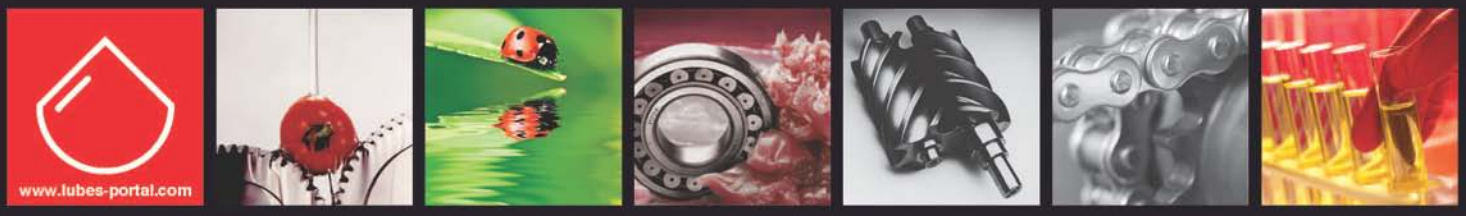
Full synthetic vacuum pump fluid

Description
Vacutop S is a range of premium synthetic vacuum pump fluids that have been designed to prove both excellent service and a very long fluid life in all types of vacuum pumps. These fluids offer exceptionally low vapour pressure, superior chemical stability and a very high resistance to oxidation. They also provide excellent thermal and shear stability.

Vacutop S series' advanced technology additive system protects vacuum pumps from varnish, carbon and sludge deposits. Exceeds the DIN 5506 VDL standards.

Applications
Vacutop S has been designed to protect against wear, rust and corrosion and provides superior service in rotary screw, sliding vane, reciprocating and liquid ring vacuum pumps.

Benefits
- Very low vapour pressure
- Excellent thermal and chemical stability
- Good oxidative stability
- Excellent carbon and varnish control
- Excellent wear, rust and corrosion control
- Very high flash point
- Low volatility
- Excellent film strength
- Reduced maintenance costs and downtime
- Non toxic
- Non hazardous



Typical performance data

	S 15	S 22	S 32	S 46	S 68	S 100
Viscosity @ 40 °C, cSt	14,8	20,1	33,1	47,2	68,3	105
Viscosity @ 100 °C, cSt	3,6	4,3	5,9	7,7	10,0	13,9
Viscosity Index	129	125	123	130	130	133
Pour point, °C	-58	-53	-50	-45	-43	-33
Flash point, °C	270	398	430	440	460	514
4-ball wear test, 40 kg, 1200 rpm, 167 °C, 1 hr, scar, mm	0,40	0,40	0,40	0,40	0,40	0,40
Copper corrosion, 24 hrs	1a	1a	1a	1a	1a	1a
Rust test	Pass	Pass	Pass	Pass	Pass	Pass
Demulsibility, 130 °C, 30 min	40/40/0	40/40/0	40/40/0	40/40/0	40/40/0	40/40/0
Vapour pressure @ 25 °C, torr	$4.3x10^{-6}$	$4x10^{-6}$	$1x10^{-6}$	$5x10^{-7}$	$3x10^{-7}$	$1x10^{-7}$
T.A.N., mg KOH/gr	0.01-0.05	0.01-0.05	0.01-0.05	0.01-0.05	0.01-0.05	0.01-0.05
Conradson carbon value, %	0.02	0.02	0.02	0.02	0.02	0.02