

## VPS3 SERIES

### SYNTHETIC VACUUM PUMP LUBRICANTS

#### Applications:

The "VPS3" Series are fully synthetic lubricants for high performance in vacuum pump service. The "VPS3" Series utilizes the latest technology available in combination with excellent lubricant additive systems to provide the performance of a full synthetic at a lower cost. The "VPS3" Series is made from a severely hydro-treated, hydro-cracked hydrocarbon base fluid.

VPS3 32 is designed for Liquid Ring vacuum pump designs.

VPS3 46 and VPS3 68 are designed for rotary screw vacuum pumps and yield a service life of 6-8,000 hours at a wide range of temperatures with good operating conditions.

VPS3 68 and VPS3 100 are designed for rotary vane vacuum pump designs, and they yield a service life of 3-4,000 hours in vane units.

VPS3 100 and VPS3 150 are designed for rotary piston vacuum pump designs, and yield a service life of 4-6000 hours.

#### Typical Industrial Applications:

- Liquid Ring Vacuum Pumps
- Rotary Vane Vacuum Pumps
- Rotary Screw Vacuum Pumps
- Rotary Piston Vacuum Pumps

#### Performance Benefits:

- Excellent vapor pressure with low volatility
- Effective rust protection
- Excellent demulsibility
- Good thermal stability
- Superior wear protection

TYPICAL PROPERTIES	TEST METHOD	VPS3 32	VPS3 46	VPS3 68	VPS3 100	VPS3 150
ISO Grade	ASTM D2422	32	46	68	100	150
Viscosity @ 40°C,cSt	ASTM D445	36.6	45.2	67	95.4	153
Viscosity @ 100°C,cSt	ASTM D445	6.5	7.5	9.9	12.4	17
Viscosity Index	ASTM D2270	130	130	132	124	120
Flash Point, °C/°F	ASTM D92	252/486	263/506	261/501	255/491	261/501
Pour Point, °C/°F	ASTM D97	-42/-44	-39/-38	-33/-27	-31/-23	-30/-22
Copper Corrosion	ASTM D130	1a	1b	1b	1a	1a
Foaming Sequences I, II, III	ASTM D892	Nil	Nil	Nil	Nil	Nil
Specific Gravity	ASTM D1298	0.85	0.86	0.86	0.86	0.86

06/13

#### HEALTH & SAFETY

To obtain an MSDS on this or any other Ultrachem product, please contact your representative.

#### TECHNICAL SUPPORT

To learn more about Ultrachem products and applications please contact us at [info@ultracheminc.com](mailto:info@ultracheminc.com)



900 Centerpoint Blvd.  
New Castle, DE 19720  
P.....302-325-9880  
F.....302-325-0335  
[info@ultracheminc.com](mailto:info@ultracheminc.com)