



SLR (Synthetic Low Reactivity) VACUUM PUMP FLUID

U.S. Vacuum offers an exceptional high quality vacuum pump oil for use in specialty applications where chemically reactive gases are present in the process gas stream. Many vacuum processes expose vacuum pumps and their lubricating oil to contaminate gases that can cause oxidation, polymerization or hydrolysis of the lubricating fluid resulting in sludge and/or varnish formation. Our SLR fluid, a synthesized organic polymer, uses advanced technology to offer the highest grade chemically inert, fully (100%) synthetic, hydrocarbon based lubricating fluid for use in oil sealed vacuum pumps.

The base fluid has a molecular structure that is completely saturated with only single bond formations and completely free of sulfur, phosphorus, nitrogen and aromatic hydrocarbons. This results in an extremely stable, non-reactive base oil that maintains molecular structure and integrity when confronting reactive agents such as water and organic compounds. Our anti-wear (AW) package uses eco-friendly ashless components with no heavy metals (calcium, zinc and molybdenum) and are integrated “off-molecule” for deposit free operation.

Synthetic polymer fluids are essential in modern heavy duty oil lubricated vacuum pumps where compromised gas streams are present and machine uptime is of paramount importance. Ideal for use in all positive displacement and centrifugal vacuum pumps and offered in various viscosity grades. Thermal stability to 300F.

OIL NAME	VISCOSITY SUS @ 100 Deg. F	ISO Grade	VISCOSITY INDEX	FLASH POINT °F	POUR POINT °F	CONTAINER SIZE
US150-SLR	146	32	126	465	-60	5 Gal, 55 Gal
US350-SLR	315	68	145	480	-50	Quart, 1, 5, 55 Gal
US550-SLR	488	100	149	490	-50	Quart, 1, 5, 55 Gal

Benefits

- 100% Synthetic
- High oxidation stability
- High Hydrolytic stability
- Reduced sludge formation
- Extends oil change intervals
- Low temperature operation
- Very high viscosity index
- Compatible with mineral oils

