



Orelube®

**technical
information**

VACUUM PUMP 30

LOW VAPOR PRESSURE VACUUM PUMP OIL

Description

Orelube Vacuum Pump 30 is an ISO 100 vacuum pump oil manufactured using highly-refined, hydrotreated, high VI base oil, an ashless antiwear agent and rust and oxidation inhibitors.

Vacuum Pumps are positive displacement pumps. The lubricant for a vacuum pump must have good sealing properties. Because of the reduced pressures under which it must serve, a vacuum pump lubricant must not vaporize readily. These two factors require an oil of somewhat higher viscosity, unless temperatures are exceptionally low. Vacuum Pump 30 has a low vapor pressure.

Vacuum Pump 30 can be used in most types of vacuum pumps including rotary and reciprocating types except where extremely high vacuums are required, and therefore, a dehydrated-type vacuum oil is required. Vacuum Pump 30 can provide a vacuum as low as 10^{-6} torr.

Typical Properties

Color	Amber
ISO Grade	100
Viscosity, ASTM D-445	
cSt @ 40 C	97.2
cSt @ 100 C	10.9
Viscosity Index	96
Flash Point, F	450
Pour Point, F	0
Rust Test, ASTM D-665 A and B	Pass
Foam Characteristics, ASTM D-892	
Seq. 1, 2 and 3, ml	0/0/0
Copper Corrosion, ASTM D-130	
3 hrs @ 212 F	1a
Neutralization No., ASTM D-974	0.02
Oxidation Stability, ASTM D-943, hrs	5000
4-Ball Wear Test, ASTM D-4172	
1200 rpm, 40 kg, 167 F, 1 hr	
scar diameter, mm	0.40
Autoignition Temperature, F	> 500

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