

# HYVAC PRODUCTS, INC.

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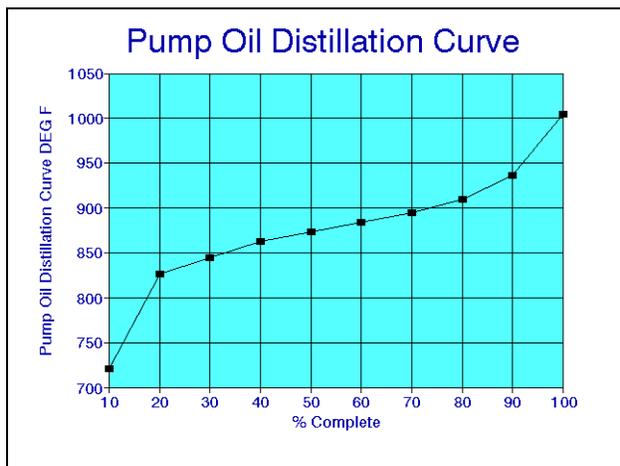
## HyVac<sup>®</sup> Vacuum Pump Oil Technical Data Sheet

HyVac Vacuum Pump Oil is a high quality, high boiling range, straight cut, mineral oil, of approximately 350 SUS at 100° F. It has a very low vapor pressure and other unique characteristics make it especially suitable for use in most high vacuum pumps including Welch, Precision and of course, the best, the HyVac Pumps.

HyVac Pump Oil is refined from specially selected mid-continent solvent refined paraffinic crude oils. Among some of the prime benefits of HyVac pump oil are its inherently high oxidation resistance and low chemical reactivity. These benefits allow for maximum pump oil life and oil regeneration capabilities through use of the gas ballast valve present on many vacuum pumps. Because of the high viscosity index of HyVac pump oils, they can be expected to maintain proper viscosity over a wide temperature range allowing for excellent pump bearing lubrication, long seal life and maximum pump durability.

Meets requirements of MIL-L-83767B Type II.

Special handling during packaging assures absence of contaminants that would adversely affect vapor pressure performance of the pump oil. The following chart details the boiling point curve of the HyVac Pump Oil.



### Pump Oil Distillation Range

IBP	721° F
10%	826° F
20%	845° F
30%	854° F
40%	863° F
50%	873° F
60%	884° F
70%	895° F
80%	910° F
90%	936° F
End Point	1004° F
Recovered	99.5%

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<b>Catalog/Product Number</b>	-	<b>93050</b>
ISO Grade	-	68
Gravity, API	-	29.5
Pounds per Gallon	-	7.32
Pour Point, ° F	-	+10
Flash Point, ° F	-	450
Fire Point, ° F	-	510
Viscosity, SUS at 100° F	-	359
Viscosity, SUS at 210° F	-	55
Viscosity, cSt at 40° C	-	67
Viscosity, cSt at 100° C	-	8.7
Color ASTM D-1500, max	-	1.5
Viscosity Index, Min.	-	95
Neutralization Number	-	0.05
Copper Strip Corrosion, Max.	-	2.00
Carbon Residue, Conradson, %	-	<0.02
Vapor Pressure, Max.		
@ 25° C		
@ 75° F	-	10 <sup>-6</sup> Torr

## Packaging

HyVac Pump Oil is available in a number of packages including quart and gallon containers and cases of 12 x 1 quart and 4 x 1 gallon sizes. It is also available in bulk quantities of 5 gallon plastic pails and 55 gallon steel drums.

## Application

HyVac oils should be employed where belt or direct drive high vacuum pumps are used such as the HyVac 30L/55L, Welch Director, Leybold, Edwards, and Alcatel vacuum pumps.

Other HyVac Vacuum oils include HyVac Flushing Oil, Direct Drive Oil and Heavy Pump Oil.

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