



HYVAC[®] PRODUCTS, INC.

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HyVac[®] Flushing Oil

Technical Data Sheet

HyVac Flushing Oil is a high quality, high boiling range, straight mineral oil, approximately 200 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 Flushing Oil is refined from specially selected mid-continent solvent refined paraffinic crude oils. Among some of the prime benefits of HyVac flushing oil are its inherently high oxidation resistance and low chemical reactivity.

Special handling during packaging assures absence of contaminants that would adversely affect vapor pressure performance of the pump oil.

Procedure and Usage :

Vacuum pumps often become contaminated over time because of their basic function. Regular oil changes and use of HyVac Flushing Oil can help improve pump life and lead to cleaner running pumps.

1. Drain vacuum pump oil used for regular operations.
2. Fill pump with HyVac Flushing Oil till oil level reaches past halfway in oil sight glass window.
3. Operate pump for 1 hour and allow it to reach operating pressure and temperature.
4. Open the gas ballast valve (black knob) for a 1-minute period and close down. Repeat 3 times at 5-minute intervals.
5. When pump is hot drain the flushing oil and inspect for discoloration and contamination. If contamination is present or color change of oil is significant repeat flushing until color of flushing oil approximates that of new flushing oil.

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Catalog/Product Number	-	93060
ISO Grade	-	46
Gravity, API	-	31.8
Pounds per Gallon	-	7.17
Pour, ° F	-	+5
Flash Point, ° F	-	435
Fire Point, ° F	-	501
Viscosity, SUS at 100° F	-	208
Viscosity, SUS at 210° F	-	47
Color ASTM D-1500, max	-	<.5
Viscosity Index, Min.	-	95
Neutralization Number	-	0.05
Aniline Point	-	222
Copper Strip Corrosion, Max.	-	2.00
Carbon Residue, Conradson, %	-	<0.02

Packaging

HyVac Flushing 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 Pump Oil should be considered in applications involving belt drive vacuum pumps.

HyVac Direct Drive oil should be employed where direct drive pumps are used such as the HyVac 30L/55L, Welch Director, Leybold, Edwards, and Alcatel vacuum pumps.

Other HyVac Vacuum oils include Crystal White ultra pure and Heavy Pump Oil.

MSDS sheets are available from HyVac Products or can be downloaded from the Internet at <http://www.hyvac.com>.