

BUSCH VACUUM PUMP OILS



R-500 SERIES

DESCRIPTION

Busch R-530 and R-540 Series Pump Oils

Busch R-530 and R-540 Series vacuum pump oils are detergent free oils derived from highly refined paraffinic crudes with excellent lubricating properties. The combination of high viscosity indexes and low pour points ensures ease of handling and flow in all but extreme temperature situations. R-530 oil is equivalent in viscosity to an SAE 30 wt. oil and is recommended for use in most Busch R5 vacuum pumps. R-540 oil is equivalent in viscosity to an SAE 40 wt. oil and is recommended for use in most Busch once-through-sealing vacuum pumps.

Busch R-570 and R-580 Pump Oils

Busch R-570 and R-580 vacuum pump oils are synthetic compounded polyalphaolefins which offer excellent protection against wear, rust, and corrosion, and have superb low temperature flow characteristics. They are very stable at high temperatures, resisting oil breakdown due to oxidation, which allows a pump to run longer between oil changes compared to standard mineral oils and semi-synthetic oils. They are also non-foaming and have excellent water resistance, eliminating the harmful formation of emulsions. Busch R-580 is equal in viscosity to a 15 wt. oil and is recommended for the R50021. Busch R-570 oil is equal in viscosity to a 30 wt. oil and is recommended for all other Busch R5 pumps. Busch R-570 and R-580 are best for operation in low ambient conditions, high

temperature applications, for pumps handling high vapor loads, and for laboratory applications.

Busch R-590 Pump Oil

Busch R-590 vacuum pump oil is a semi-synthetic, hydrocracked, dewaxed paraffinic oil which also offers excellent protection against wear, rust, and corrosion. It is stable at high temperatures, resisting oil breakdown due to oxidation, which allows a pump to run longer between oil changes when compared to standard mineral oils. It is non-foaming and has excellent water resistance, eliminating the harmful formation of emulsions. Busch R-590 oil is equal in viscosity to a 30 wt. oil and is recommended as a replacement for standard mineral oils for all pumps running under high ambient temperature conditions. It is also recommended for pumps handling high water vapor loads and for laboratory applications.

Busch R-568 Flushing Oil

Busch R-568 flushing oil is a synthetic fluid formulated to dissolve varnish and soluble sludge from vacuum pumps while they are in operation. This oil contains oxidation and rust inhibitors and can be used as a short term lubricant. It is recommended for use as a flushing agent when changing from a hydrocarbon based oil to a synthetic oil, and in any application which promotes depositions in the pump between oil changes as a cleaning flushing agent.

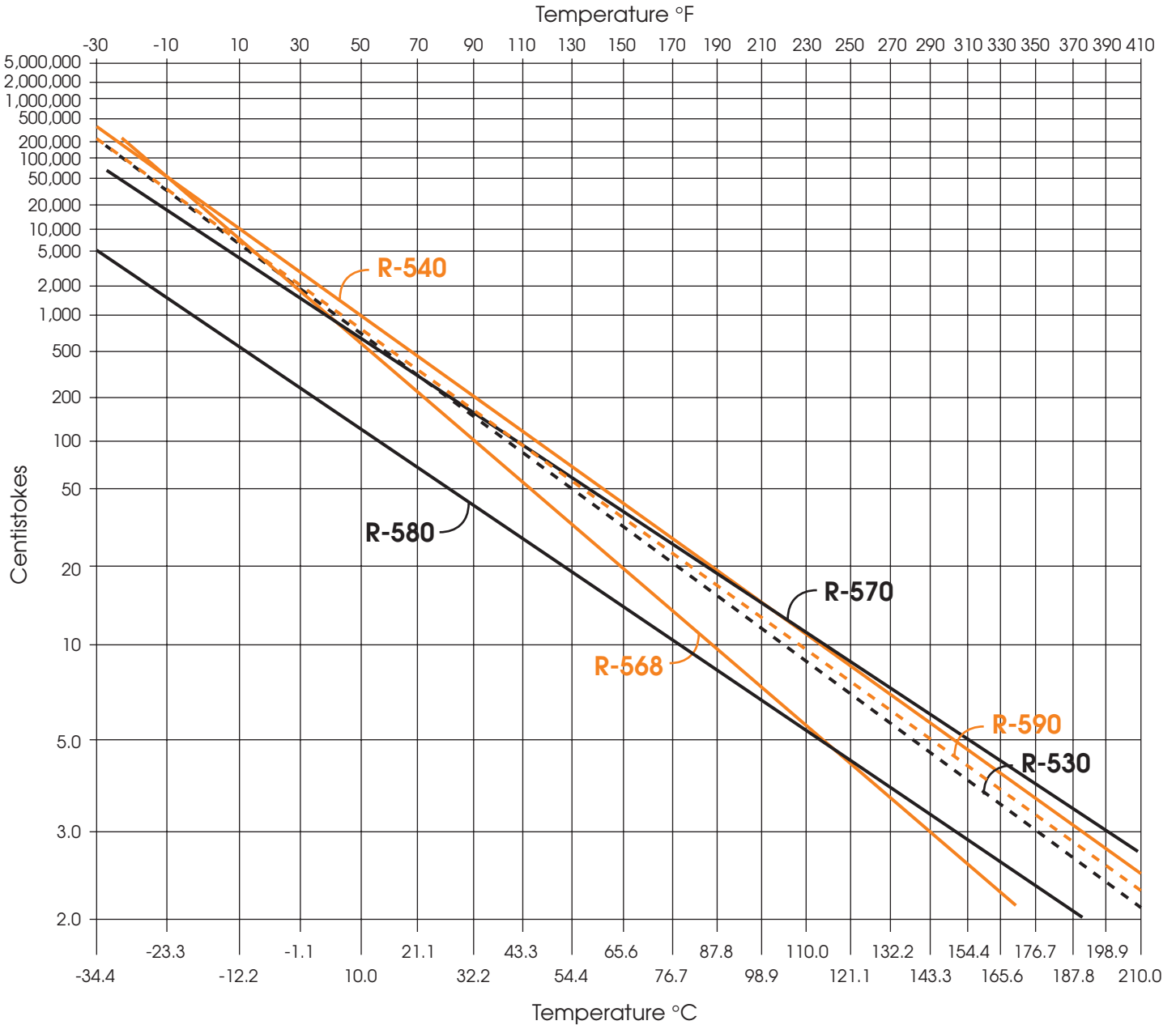
TECHNICAL DATA

	R-530	R-540	R-568	R-570	R-580	R-590	
Flash Point (COC) °F	460	480	490	520	515	485	
Pour Point °F	0	+10	-45	-55	<-65	10	
Viscosity	cST @ 100°F	106.2	158.3	79.27	108.74	47.56	120.8
	cST @ 210°F	11.3	14.6	7.91	16.15	7.62	12.5
	SUS @ 100°F	556	835	367.4	504	219	559.9
	SUS @ 210°F	65	78	52.4	75.4	51.4	68.6
Viscosity Index	91	89	63	145	138	100	
USDA Approval	H-2	H-2	H-2	H-2	H-2	H-2	

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ASTM Viscosity-Temperature Chart, Centistokes

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Models and specifications are subject to change without notice.

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