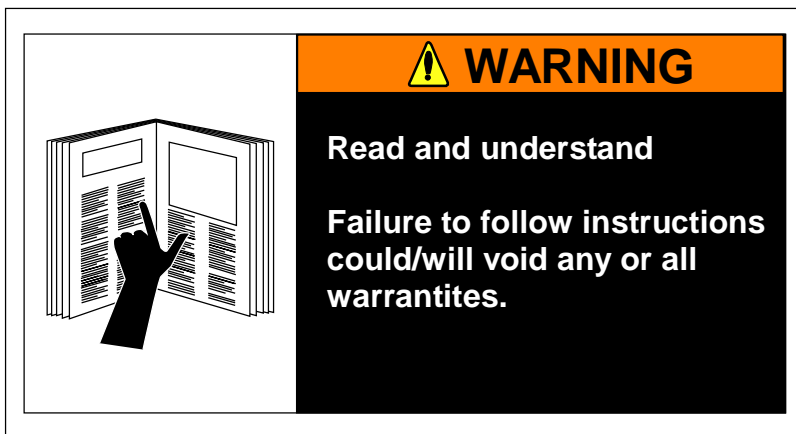


Notice on using Non -Vilter Oils



Oil and its additives are crucial in refrigeration system performance. Vilter Manufacturing will **NOT APPROVE** non-Vilter oils for use with Vilter compressors. Due to the innumerable choices available it is not possible for us to test all oils offered in the market place, and their effects on our equipment, as we can with our own lubricants.

We realize that customers may choose compressor lubricants other than Vilter branded oil. This is certainly within the customers' right as owners of the equipment. When this choice is made, however, Vilter is unable to accept responsibility for any detrimental affects those lubricants may have on the equipment or system performance and durability.

Should a lubrication related system issue occur with the use of non-Vilter oils, Vilter may deny warranty upon evaluation of the issue. This includes any parts' failure caused by inadequate lubrication.

Certainly, there are many good refrigeration lubricants in the market place. The choice of a lubricant for a particular application involves consideration of many aspects of the lubricant and how it, and its additive package, will react in the various parts of the entire refrigeration system. It is a complex choice that depends on a combination of field experience, lab and field-testing, and knowledge of lubricant chosen. Vilter will not accept those risks other than for our own compressor lubricants.

Failure to comply will result in voiding any or all warranties that may apply.

See attachment on the Oil recommendation for Standard Warranty Coverage.

The Vilter Single Screw 5/15 Warranty requires the use of Premium Vilter Oil to remain valid.



Vilter Manufacturing LLC
Oil Recommendations for Standard Warranty Coverage
Single Screw and Reciprocating Compressors Only

Vilter Oil Type	717	HCL-68	D <i>Recip Only</i>	F-68	FL-100	B-68 <i>Single Screw Only</i>	B-68(AW) <i>Recip Only</i>	HC-68
ISO Grade	68	68	68	68	100	68	68	68
@ 100°F (cSt)	77	75.7	68.5	65.67	76.4	71	71	67.2
Viscosity Index	100	132	65	79	115	108	114	168
Spec. Gravity	0.867	0.835	0.905	0.876	0.96	0.957	0.957	0.989
Density lbm/gal, 60°F	7.4	6.95	7.52	7.30	8.26	7.96	8.02	8.25
Flash Point - °F	440	525	345	295	558	505	266	425
Fire Point - °F	475	570	360	315	633	560	296	465
Pour Point - °F	-38.2	-67	-40	-31	-35	-45	-45	-55
Floc Point - °F	-25	NA	-35	-75	NA	NA	NA	NA
Refrigerant Type	R-717	R-717 R-1270	R-717 R-22	R-22	R-22	R-134a R-507 R-404A R-407C R-410A	R-134a R-507 R-404A R-407C R-410A	R-290

Cross Reference Index

Vilter Part No.	Vilter Lube Type	Oil Type	Lube Oil Base Stock	Container Size	Used w/Refrig. Type
2939A	717	HMO	Semi-synthetic	5 gallon pail	R-717
2939B	717	HMO	Semi-synthetic	55 gallon drum	R-717
3100A	Vilter D	Naphthenic	Mineral	5 gallon pail	R-717 & R-22
3100B	Vilter D	Naphthenic	Mineral	55 gallon drum	R-717 & R-22
3103A	HCL-68	PAO	Synthetic	5 gallon pail	R717 & R-1270
3103B	HCL-68	PAO	Synthetic	55 gallon drum	R717 & R-1270
3105A	F-68	AB	Semi-synthetic	5 gallon pail	R-22
3105B	F-68	AB	Semi-synthetic	55 gallon drum	R-22
3101A	FL-100	POE	Ester	5 gallon pail	R-22
3101B	FL-100	POE	Ester	55 gallon drum	R-22
3106A	B-68	POE	Ester	5 gallon pail	Blends
3106B	B-68	POE	Ester	55 gallon pail	Blends
3106C	B-68 AW	POE	Ester	5 gallon pail	Blends
3106D	B-68 AW	POE	Ester	55 gallon drum	Blends
3098A	HC-68	PAG	Synthetic	5 gallon pail	R-290
3098B	HC-68	PAG	Synthetic	55 gallon drum	R-290

Key: POE= Polyol Ester HMO= Hydro Treated Mineral Oil
PAO= Polyalphaolefin PAG= Poly Alkylglycols
AB= Alkylbenzene



Vilter Manufacturing LLC
Oil Recommendations for Standard Warranty Coverage
All Twin Screw Compressors

Vilter Code	717	HCL-68	D	F-68	FL-150	B-120	HCL-100	HC-100
ISO Grade	68	68	68	68	150	120	100	100
@ 100°F (cSt)	77	75.7	68.5	65.67	875.1	40.6	111.4	100.3
Viscosity Index	100	132	65	79	150	106	138	223
Spec. Gravity	0.867	0.835	0.905	0.876	1.01	0.940	0.839	0.992
Density lbm/gal, 60°F	7.4	6.95	7.52	7.30	8.41	7.83	6.99	8.27
Flash Point - °F	440	525	345	295	555	505	510	500
Fire Point - °F	475	570	360	315	630	555	560	530
Pour Point - °F	-38.2	-67	-40	-31	-45	-27	-55	-40
Floc Point - °F	-25	NA	-35	-75	NA	NA	NA	NA
Refrigerant Type	R-717	R-717	R-717 R-22	R-22	R-22	R-134a R-507 R-404A R-407C R-410A	R-1270	R-290

Cross Reference Index

Vilter Part No.	Vilter Lube Type	Oil Type	Lube Oil Base Stock	Container Size	Used w/Refrig. Type
2939A	717	HMO	Semi-synthetic	5 gallon pail	R-717
2939B	717	HMO	Semi-synthetic	55 gallon drum	R-717
3100A	Vilter D	Naphthenic	Mineral	5 gallon pail	R-717 & R-22
3100B	Vilter D	Naphthenic	Mineral	55 gallon drum	R-717 & R-22
3103A	HCL-68	PAO	Synthetic	5 gallon pail	R-717
3103B	HCL-68	PAO	Synthetic	55 gallon drum	R-717
3105A	F-68	AB	Semi-synthetic	5 gallon pail	R-22
3105B	F-68	AB	Semi-synthetic	55 gallon drum	R-22
3102A	FL-150	POE	Ester	5 gallon pail	R-22
3102B	FL-150	POE	Ester	55 gallon drum	R-22
3107A	B-120	POE	Ester	5 gallon pail	Blends
3107B	B-120	POE	Ester	55 gallon drum	Blends
3099A	HC-100	PAG	Synthetic	5 gallon pail	R-290
3099B	HC-100	PAG	Synthetic	55 gallon drum	R-290
3104A	HCL-100	PAO	Synthetic	5 gallon pail	R-1270
3104B	HCL-100	PAO	Synthetic	55 gallon drum	R-1270

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