

Recommended Oils for Trane Chillers

Table 1

Chiller Type	Refrigerant	Oil Reference number (See Table 4) First column recommended, second to fifth column alternative				
CVH-A, B, E, F	R11	22	68			
CVH-E, F, G	R123	22				
CDH-F, G	R123	22				
LCV	R11	22	68			
CVG-A/B/D	R12	68	22	15		
CVA-A/B/C/D	R12	68	22	15		
CVG-A/B/D	R134a	37(1)	20E	21E	64	
CVA-A/B/C/D	R134a	37 (1)	20E	21E	64	
CVGE, CVAE	R134a	20E	21E	37	64	
CVGF	R134a	37	49	20E	21E	
RTHA/B (US Built)	R22	Note 1				
RTHC/D (US Built)	R134a	48	Oil 48E			
RTAA (US Built)	R22	Note 1	25E			
RTWA (US Built)	R22	Note 1	25E			
RTAC (US Built)	R134a	48	Oil 48E			
RTHA/B (French Built)	R22	25E	Note 1		50	
RTHC/D (French Built)	R134a	48E	Oil 48			
RTAA/B (French Built)	R22	25E	15E	Note 1	50	
RTAB (French Built)	R134a	20E	21E			
RTWA (French Built)	R22	25E	15E	Note 1	50	
RTWA (French Built)	R134a	20E	21E			
RTWB (French Built)	R134a	48E	23E	48		
RTRA (French Built)	R22	25E	Note 1		50	
RTRA (French Built)	R134a/R404a	20E	21E			
RTXA (French Built)	R22	25E	50			
RTAC (French Built)	R134a	48E	Oil 48			
RTAD (French Built)	R134a	48E	Oil 48			
CGAN (French Built)	R22	25E				
CGAN (French Built)	R407c	20E	21E			

Reciprocating compressors

Table 2

Compressor type	Refrigerant	Oil Reference number (See comments below)				
Models M, R, Z.	R22	15	LP			
Models J, K.	R22	15	LP			
Models A, B C, D, E, F	R22	15				
Climatuff	R22	27				
			Refrigerant			
Hermetic Recip. CRHH	R22	43	R134a	37		
Hermetic Recip. CRHC	R22	43	R134a	37		
Hermetic Recip. CRHL	R22	43	R134a	37		
Hermetic Recip. CRHD	R22	43	R134a	37		

Scroll Compressors

Table 3

Compressor type	Refrigerant	Oil Reference number (See comments below)				
CSHS – Scroll	R22	15				
CSHS – Scroll	R134a, R404a, R407c	37				
CSHA – Scroll	R22	Note 2	42			
CSHA – Scroll	R134a, R404a, R407c	Note 3	32HB			
CSHB – Scroll	R22	42				
CSHB – Scroll	R134a, R404a, R407c	32HB				

Table 4

Ref #	Oil Description
15	Trane Oil 15, Type S-M 1 300 SUS, Viscosity 68, minimum purchase 6, 1 gallon containers
15E	Trane Oil 0015E, Semi-synthetic TYPE 3, SES – 4.10.6 – Viscosity 68, 20 liter containers
20	Trane Oil 0020E, Europe Purchase, Type E 3 CPI Solest 68, Viscosity 68, Minimum Qty 1, 5 gallon container
21	Trane Oil 0021E, Europe Purchase, Type E 3 CPI Solest 68, Viscosity 68, Minimum Qty 11, 10 liter containers
22	Trane Oil 0022, US purchase, Type M 2, Viscosity ISO 68, Min QTY. 2, 2.5 gallon containers
23E	Trane Oil 0023E, Europe purchase, Type Polyester Solest 72, minimum purchase 1, 5 gallon container
25	Trane Oil 0025E, Europe Purchase, Type Semi-synthetic Type 1, Viscosity 68, Minimum Qty 11, 10 liter containers
27	Trane Oil 0027, US Purchased, minimum Qty 1
31	Trane Oil 0031, US Purchased, Type M 2 300 SUS, Viscosity 68, minimum purchase 6, 1 gallon containers
37 (1)	Conversion Units. Trane Oil 0037, US purchase Type E 3, Viscosity 68, Min Qty 6, 1 gallon containers
37	Trane Oil 0037, US purchase, Type E 3, Viscosity 68, Min Qty 6, 1 gallon containers
42	Trane Oil 0042, 150 SUS with additive, Minimum Qty 6, 1 gallon containers
43	Trane Oil 0043, 150 Viscosity, Minimum Qty 6, 1 gallon containers
45	Trane Oil 0045, 300 SUS with additive, Minimum Qty 6, 1 gallon containers
48	Trane Oil 0048, US purchase, Type E special, Viscosity 68, minimum Qty 4, 1 gallon containers
48E	Trane Oil 0048E, Europe purchase, Type Polyester Solest 72, minimum purchase 1, 1 gallon container
49	Trane Oil 0049, US purchase, Type E 3, Viscosity 68, Min Qty 1, 5 gallon containers
50	Trane Oil 0050 (US only) Same as Trane oil 25E
64	Trane Oil 0064, US purchase, Type E 3, Viscosity 68, (US Use only)
68	Local purchase mineral oil. Recommended WF-68
32HB	RL-32HB – ICI Emkarate.

Note 1. If leaving water is greater than 38°F (3.3°C) use oil reference 15 or 31.
If leaving water temperature is less than 38°F (3.3°C) use oil reference 31

Note 2 (Refrigerant R-22)

Replacement scroll compressor.

When a new design CSHA (Grey in color) is fitted to manifold set, and where there are more than one compressor and at least one is a old design CSHS (red in color), **than ALL COMPRESSORS WILL ONLY OPERATE ON OIL 0045.**

Note 3 (Refrigerant R134a, R-404a, R407c)

Replacement scroll compressor.

When a new design CSHA (Grey in color) is fitted to manifold set, and where there are more than one compressor and at least one is a old design CSHS (red in color), **than ALL COMPRESSORS WILL ONLY OPERATE ON OIL 0037.**

<i>Oil Type</i>	<i>Reference Material</i>
WF 68	CTV-SG-1, CTV-SG-4, ECVGA SB 22E,
Oil 0022	CTV-SB-19D and current IOM's
Oil 0037(1)	ABU Conversions
Oil 0037	CVGF SVX 001 EN
Oil 15 / 0031	RTHA-IOM-1A, RTHA-SB-15,
Oil 48	RTHC-IOM-1C, RTAC-SVX-001C, ERTAC-SVX-001, ERTAD-SVX-001A
Oil 48E (Formally OIL 0022E)	RTHC-SVX02A, RTWB-SVN01A-E4, RLC-SVX02A
Oil 0049	CVGF SVX 001 EN
Oil 0020E/021E	B60 OM 012 E, RTWA-B20 UP 003E, ERTXA-D20 UP 001E, CGAN (Cats)
Oil 025E	ERTHB-B21-UP-001-E, ERTXA E30 UP 001,
Oil 0048E	ERTWB-SVN-001A,
Oil 0023E	ERTWB-SVN-001A,
Oil 0015E	ERTAA-C20 IM 001E
32HB	COM-TB-9
Oil 64	Dale Thesing (Parts) set up for US use only.
Scroll	COM-TB-9
Receip.	COM-TB-9
Climatuff	COM-D-13