

# DuPont™ Suva® 95

## REFRIGERANTS

### Technical Information

## VLT Refrigerant Miscibility Summary

Temperature Range Over Which Refrigerant and Lubricant Mix to Form a Single Liquid Phase Tested from -60°C to +20°C

Refrigerant	Lubricants Tested					
	Wt% Ref.	Mineral Oil, Suniso 3GS	Alkylbenzene, Zerol 150	POE, Solest LT32	POE, Solest 31HE	POE, Castrol SW22
R-503	95	20	20	X	-60 to +20	X
	90	20	20	X	-60 to -25 +10 to +20	X
	80	20	20	X	-60 to -25	X
	60	10 to 20	10 to 20	X	-60 to -30	X
	30	0 to 20	-10 to 20	X	-60 to -30	X
R-13	95	Imm	Imm	X	Imm	X
	90	Imm	Imm	X	Imm	X
	80	Imm	Imm	X	Imm	X
	60	Imm	20	X	Imm	X
	30	+10 to 20	0 to +20	X	0 to +20	X
R-23	95	Imm	Imm	X	Imm	X
	90	Imm	Imm	Imm	Imm	20
	80	Imm	Imm	Broke	Imm	20
	60	20	20	20	20	-30 to +20
	30	+10 to 20	+10 to 20	0 to +20	-50 to +20	-60 to 20
Suva® 95	95	X	X	X	-5 to +20	X
	90	0 to +20	0 to +20	-5 to +20	-5 to +20	-10 to +20
	80	0 to +20	-5 to +20	-10 to +20	-10 to +20	-10 to +20
	60	0 to +20	0 to +20	-10 to +20	-10 to +20	-10 to +20
	30	-10 to +20	-10 to +20	-25 to +20	-30 to +20	-10 to +20

**Note:** Temperatures are measured in °C.

Several of the oil refrigerant pairs formed a single layer at 20°C, but immediately separated into layers as the temperature was lowered.

Testing did not exceed 20°C due to proximity to the critical temperature.

**Key:** X = Not Tested  
Imm = Immiscible  
Broke = Tube Failed



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