**ACCELERATED SCREENING METHODS FOR DETERMINING CHEMICAL
AND THERMAL STABILITY OF REFRIGERANT-LUBRICANT MIXTURES
PART II: EXPERIMENTAL COMPARISON AND
VERIFICATION OF METHODS**

Volume II

In Situ Conductivity Data

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VOLUME II

**DISK CONTAINING *IN SITU* CONDUCTIVITY
DATA POINTS FOR APPENDIX B OF VOLUME I**

DISK INFORMATION

The disk contains data points in Microsoft Word Version 6

Data points stored every ten minutes (ten minute average) for each monitored refrigerant/oil mixture

Name: File Name in Catalog Listing

Type: Data Type (TXT:Text)

Blocks: Amount of Disk Capacity Used to Store Data File

Refrigerant/Oil Mixture: Order That Data Was Stored In

For example r203

Disk Data Point 1: Data Point #1 of CFC-12/N (as received)

Disk Data Point 2: Data Point #1 of CFC-12/BA#2

Disk Data Point 3: Data Point #1 of CFC-12/BA#1

Disk Data Point 4: Data Point #2 of CFC-12/N (as received)

And so on

Abbreviations Used in Cross Referencing Disk File Numbers with Stored Test Data

N: Naphthenic

P: Paraffinic

AB: Alkylbenzene

PG: Polypropylene Glycols

PG#1: Diol

PG#2: Butyl Monoether

MA: Mixed Acid Polyolesters

BA: Branched Acid Polyolesters

S: Steel Coupon Present

HFC-134a:32: HFC-134a(70%)/HFC-32(30%)

<u>NAME</u>	<u>TYPE</u>	<u>BLOCKS</u>	<u>REFRIGERANT/OIL MIXTURES</u>
r203	TXT	43	CFC-12/N (as received), CFC-12/BA#2, CFC-12/BA#1
r127	TXT	43	CFC-12/N, CFC-12/P#1, CFC-12/AB
FINDER.DAT	FND	1	-----
r205	TXT	13	Single Channel CFC-12/N
r210	TXT	43	HCFC-22/N (as received), HCFC-22/BA#2, HCFC-22/BA#1
r211	TXT	7	Single Channel CFC-12/N/S
r215	TXT	22	Single Channel HCFC-22/N/S
r217	TXT	43	HCFC-22/N, HCFC-22/P#1, HCFC-22/AB
r225	TXT	43	HCFC-22/MA#2, HCFC-22/MA#1, HCFC-22/P#2
r226	TXT	20	Single Channel HCFC-22/N
r308	TXT	17	Single Channel HFC-134a/N
r304	TXT	43	CFC-12/N/S, HCFC-22/BA#2, HFC-134a/P#1
r316	TXT	3	Single Channel HCFC-22/BA#1/S
r312	TXT	46	CFC-12/MA#2/S, CFC-12/AB/S, CFC-12/P#1/S
r319	TXT	43	CFC-12/MA#1/S, CFC-12/P#2/S, CFC-12/BA#2/S
r317	TXT	27	Single Channel HFC-134a/N/S
r326	TXT	43	CFC-12/AB/S, CFC-12/P#1/S, CFC-12/N/S
r331	TXT	16	Single Channel HFC-134a/P#2
r403	TXT	43	HCFC-22/AB/S, HCFC-22/P#1/S, HCFC-22/P#2/S

<u>NAME</u>		<u>TYPE</u>	<u>BLOCKS</u>	<u>REFRIGERANT/OIL MIXTURES</u>
r410		TXT	43	HCFC-22/MA#2/S, HCFC-22/MA#1/S, HCFC-22/BA#2/S
r411		TXT	71	Empty Tube, CFC-12/BA#1/S, HCFC-22/BA#1/S, HFC-134a/BA#1, Only N (control) in Tube
r417		TXT	43	HFC-134a/MA#2, HFC-134a/BA#2, HFC-134a/AB
r418		TXT	70	HFC-134a/N, HFC-134a/MA#1, HFC-134a/MA#2/S, HFC-134a/MA#1, HFC-134a/BA#2/S
r426		TXT	43	CFC-12/PG#2, CFC-12/PG#2/S, HCFC-22/BA#1*
r425		TXT	71	HFC-134a/N/S, HFC-134a/AB/S, HFC-134a/P#1/S, HFC-134a/P#2/S, HFC-134a/BA#1/S
r503		TXT	71	HFC-134a:32/MA#2, HFC-134a:32/MA#1, HFC-134a:32/BA#2, HFC-134a:32/N, HFC-134a:32/BA#1
r504		TXT	43	HFC-134a:32/AB, HFC-134a:32/P#1, HFC-134a:32/P#2
FINDER DATA		FND	1	-----
CUMDIFF		BAS	3	-----
r510		TXT	67	HFC-134a:32/N/S, HFC-134a:32/MA#2/S, HFC-134a:32/MA#1/S, HFC-134a:32/BA#2/S, HFC-134a:32/BA#1
r511		TXT	43	HCFC-22/PG#2, HCFC-22/PG#1, HCFC-134a/PG#1, HFC-134a:32/PG#2, HFC-134a:32/PG#1
r518		TXT	43	HFC-134a/AB/S, HFC-134a/P#1, HFC-134a/P#2
r525		TXT	8	HCFC-22/MA#1, HFC-134a:32/MA#1/S, HFC-134a:32/BA#2/S, HFC-134a:32/BA#1/S, No Tube
r524		TXT	69	CFC-12/PG#1, HCFC-22/PG#2/S, HFC-134a:32/PG#2/S** (Failed - repeated FREON 940526)
r526		TXT	43	CFC-12/PG#1, HCFC-22/PG#2/S, HFC-134a:32/PG#2/S**
r601		TXT	71	HCFC-22/PG#2, HCFC-22/PG#1, HFC-134a/PG#1, HFC-134a:32/PG#2, HFC-134a:32/PG#1**
r602		TXT	45	HCFC-22/PG#1/S, HFC-134a/PG#1/S, HFC-134a:32/PG#1/S**
r610		TXT	7	CFC-12/PG#2, CFC-12/PG#1/S, No Tube **
r620		TXT	22	HCFC-22/MA#1, HFC-134a/MA#1/S, No Tube **
r826		AWP	62	-----

* CFC-12/PG#2 and CFC-12/PG#2/S (exploded). Replaced by HFC-134a/PG#2 and HFC-134a/PG#2/S after 1 day

** Reduced gain - previous tests off-scale

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