APPENDIX VI

RAW DATA TEST RESULTS

Petrol Volatility Results Summary

	Fuel (RVP)	Date tested	HC	CO	CO2	NOx	l/100k	Diurnal	Hot Soak	Total
Vehicle A	63	25/06/96	1.63	15.74	176.98	2.24	8.92	0.599	0.596	1.20
	66	26/06/96	1.66	17.65	174.07	2.14	8.93	0.665	0.917	1.58
	70	27/06/96	1.58	16.63	178.17	2.25	9.02	0.817	0.655	1.47
	74	28/06/96	1.59	15.96	177.38	2.22	8.95	1.875	0.684	2.56
Vehicle B	63	2/07/96	1.63	17.22	285.12	1.50	13.68	1.514	3.070	4.58
	66	3/07/96	1.61	16.63	284.21	1.49	13.60	1.679	2.936	4.62
	70	4/07/96	1.61	16.38	281.71	1.50	13.47	1.631	3.054	4.69
	74	5/07/96	1.56	16.42	280.33	1.53	13.41	1.917	4.520	6.44
Vehicle C	62	18/06/96	0.32	8.93	231.81	1.29	10.64	0.772	0.661	1.43
	67	19/06/96	0.31	8.97	230.68	1.29	10.59	0.801	0.896	1.70
	70	20/06/96	0.32	9.01	230.98	1.29	10.61	2.542	1.039	3.58
	77	21/06/96	0.32	8.41	231.09	1.32	10.57	8.494	0.987	9.45
Vehicle D	62	4/06/96	0.24	3.61	206.84	1.33	9.22	0.048	0.079	0.13
	67	5/06/96	0.25	3.72	207.13	1.28	9.24	0.048	0.079	0.13
	70	6/06/96	0.22	2.91	205.41	1.26	9.08	0.130	0.079	0.21
	77	7/06/96	0.24	3.66	204.46	1.22	9.09	0.315	0.079	0.39

Individual Vehicle Raw Data Petrol Volatility

CEPA PETROL VOLATILITY PROJECT

Fuel Volatility Component

Vehicle Details

Owner	Vehicle A	
Registration Number		
Make	TOYOTA	
Model	COROLLA	
Engine Displacement (l)	1.6	
No of Cylinders	4	
Fuel System (C orEFI)	C	
VIN	AE82-9720975	
Compliance Date & ADR	Nov-85	27C
Odometer	83610	
Inertia Category	1134	

Parts Replaced

State of Tune

	Specified	Measured
Idle RPM	750	860
Ignition Timing ºB or A	5B	6B
Carbon Monoxide (%)	1.5	1.65
Hydrocarbons (ppm)	NS	133
Oxygen (%)	NS	8.5
Carbon Dioxide (%)	NS	8.1

Emission Test Results

							Evap grams		
	DATE	**HC**	**CO**	**CO_2**	**NOx**	**l/100k**	**Diurnal**	**Hot Soak**	**Total**
Fuel 1	25/06/96	1.63	15.74	176.98	2.24	8.92	0.599	0.596	1.2
Fuel 2	26/06/96	1.66	17.65	174.07	2.14	8.93	0.665	0.917	1.6
Fuel 3	27/06/96	1.58	16.63	178.17	2.25	9.02	0.817	0.655	1.5
Fuel 4	28/06/96	1.59	15.96	177.38	2.22	8.95	1.875	0.684	2.6

Sniff Test (ppm)

	Fuel Cap	Canister
Fuel 1	1.5	25
Fuel 2	1.6	266
Fuel 3	2	6
Fuel 4	6	>3000

Canister Purge Flow (litres)

Fuel 1	>273.7
Fuel 2	>264.7
Fuel 3	>274.3
Fuel 4	>274.7

		Post	After		Post		Final	
Canister Weight	**Initial**	**Purge**	**Diurnal**	**Diff.**	**Hot Soak**	**Diff.**	**Purge**	**Diff.**
Fuel 1 grams	978.00	968.85	998.71	29.86	984.33	15.48	966.61	-2.24
Fuel 2 grams		966.61	1000.49	33.88	986.12	19.51	965.58	-1.03
Fuel 3 grams		965.58	1003.14	37.56	986.54	20.96	964.81	-0.77
Fuel 4 grams		964.81	1009.64	44.83	986.26	21.45	964.21	-0.60

Comments:

Diff = difference from post purge

CEPA PETROL VOLATILITY PROJECT

Fuel Volatility Component

Vehicle Details

Owner	Vehicle B	
Registration Number		
Make	FORD	
Model	FALCON	
Engine Displacement (l)	4.1	
No of Cylinders	6	
Fuel System (C orEFI)	C	
VIN	JG23FR 80367C	
Compliance Date & ADR	Jun-85	27C
Odometer	84273	
Inertia Category	1531	

Parts Replaced

State of Tune

	Specified	Measured
Idle RPM	675-725	820
Ignition Timing ºB or A	10+-2B	10B
Carbon Monoxide (%)	NS	3.85
Hydrocarbons (ppm)	NS	189
Oxygen (%)	NS	0.9
Carbon Dioxide (%)	NS	13.2

Emission Test Results

								Evap grams		
	DATE	**HC**	**CO**	**CO_2**	**NOx**	**l/100k**	**Diurnal**	**Hot Soak**	**Total**
Fuel 1	2/07/96	1.63	17.22	285.12	1.50	13.68	1.514	3.070	4.6
Fuel 2	3/07/96	1.61	16.63	284.21	1.49	13.60	1.679	2.936	4.6
Fuel 3	4/07/96	1.61	16.38	281.71	1.50	13.47	1.631	3.054	4.7
Fuel 4	5/07/96	1.56	16.41	280.33	1.53	13.41	1.917	4.520	6.4

Sniff Test (ppm)

	Fuel Cap	Canister
Fuel 1	30	14
Fuel 2	18	100
Fuel 3	1.8	126
Fuel 4	2	1600

Canister Purge Flow (litres)

Fuel 1	60.0
Fuel 2	62.8
Fuel 3	56.8
Fuel 4	44.6

Canister Weight		**Post**	**After**		**Post**		**Final**	
	Initial	**Purge**	**Diurnal**	**Diff.**	**Hot Soak**	**Diff.**	**Purge**	**Diff.**
Fuel 1 grams	1087.92	1077.03	1115.57	38.54	1102.00	24.97	1075.44	-1.59
Fuel 2 grams		1075.44	1119.23	43.79	1104.19	28.75	1074.24	-1.20
Fuel 3 grams		1074.24	1124.03	49.79	1108.90	34.66	1073.04	-1.20
Fuel 4 grams		1073.04	1143.48	70.44	1124.02	50.98	1072.27	-0.77

Comments:

Diff = difference from post purge

CEPA PETROL VOLATILITY PROJECT

Fuel Volatility Component

Vehicle Details

Owner	Vehicle C	
Registration Number		
Make	MITSUBISHI	
Model	SIGMA	
Engine Displacement (l)	2.6	
No of Cylinders	4	
Fuel System (C orEFI)	C	
VIN	GN1H41UB10007713	
Compliance Date & ADR	Feb-87	37
Odometer	147054	
Inertia Category	1304	

Parts Replaced

State of Tune

	Specified	Measured
Idle RPM	700+-50	790
Ignition Timing °B or A	5+-2B	5B
Carbon Monoxide (%)	NS	0.16
Hydrocarbons (ppm)	NS	34
Oxygen (%)	NS	2.4
Carbon Dioxide (%)	NS	13.7

Emission Test Results

							Evap grams		
	DATE	**HC**	**CO**	**CO_2**	**NOx**	**l/100k**	**Diurnal**	**Hot Soak**	**Total**
Fuel 1	18/06/96	0.32	8.93	231.81	1.29	10.64	0.772	0.661	1.4
Fuel 2	19/06/96	0.31	8.97	230.68	1.29	10.59	0.801	0.896	1.7
Fuel 3	20/06/96	0.32	9.01	230.98	1.29	10.61	2.542	1.039	3.6
Fuel 4	21/06/96	0.32	8.41	231.09	1.32	10.57	8.494	0.987	9.5

Sniff Test (ppm)

	Fuel Cap	Canister
Fuel 1	60	70
Fuel 2	2.9	>1000
Fuel 3	9	>3000
Fuel 4	2.8	>3000

Canister Purge Flow (litres)

Fuel 1	237.8
Fuel 2	256.2
Fuel 3	256.4
Fuel 4	236.4

		Post	After		Post		Final	
Canister Weight	**Initial**	**Purge**	**Diurnal**	**Diff.**	**Hot Soak**	**Diff.**	**Purge**	**Diff.**
Fuel 1 grams	524.00	514.71	553.50	38.79	527.23	12.52	512.69	-2.02
Fuel 2 grams		512.69	551.73	39.04	528.11	15.42	511.18	-1.51
Fuel 3 grams		511.18	553.79	42.61	529.01	17.83	509.89	-1.29
Fuel 4 grams		509.89	556.71	46.82	532.71	22.82	509.88	-0.01

Comments:

Diff = difference from post purge

CEPA PETROL VOLATILITY PROJECT

Fuel Volatility Component

Vehicle Details

Owner	Vehicle D	
Registration Number		
Make	FORD	
Model	LASER	
Engine Displacement (l)	1.6	
No of Cylinders	4	
Fuel System (C orEFI)	EFI	
VIN	6FPAAAUK9SKM90768	
Compliance Date & ADR	Mar-89	37
Odometer	72659	
Inertia Category	1191	

Parts Replaced

State of Tune

	Specified	**Measured**
Idle RPM	850+-50	800
Ignition Timing °B or A	2+-1	2
Carbon Monoxide (%)	NS	0.22
Hydrocarbons (ppm)	NS	177
Oxygen (%)	NS	2.5
Carbon Dioxide (%)	NS	15.1

Emission Test Results

							Evap grams		
	DATE	**HC**	**CO**	**CO_2**	**NOx**	**l/100k**	**Diurnal**	**Hot Soak**	**Total**
Fuel 1	4/06/96	0.24	3.61	206.84	1.33	9.22	0.048	0.079	0.1
Fuel 2	5/06/96	0.25	3.72	207.13	1.28	9.24	0.048	0.079	0.1
Fuel 3	6/06/96	0.22	2.91	205.41	1.26	9.08	0.130	0.079	0.2
Fuel 4	7/06/96	0.24	3.66	204.46	1.22	9.09	0.315	0.079	0.4

Sniff Test (ppm)

	Fuel Cap	**Canister**
Fuel 1	3	16
Fuel 2	2	8.5
Fuel 3	2	233
Fuel 4	1.6	82

Canister Purge Flow (litres)

Fuel 1	>296
Fuel 2	>286
Fuel 3	>280
Fuel 4	>289

Canister Weight	**Initial**	**Post Purge**	**After Diurnal**	**Diff.**	**Post Hot Soak**	**Diff.**	**Final Purge**	**Diff.**
Fuel 1 grams	723.59	723.28	744.22	20.94	733.06	9.78	727.49	4.21
Fuel 2 grams		727.49	746.81	19.32	735.26	7.77	729.31	1.82
Fuel 3 grams		729.31	759.28	29.97	741.94	12.63	731.64	2.33
Fuel 4 grams		731.64	761.72	30.08	742.98	11.34	732.22	0.58

Comments:

Diff = difference from post purge

Canister Results Summary

REG_NO	TEST DATE	FUEL	MAKE	MODEL	MAN_DATE	BODY	ODOM	TRANS	EVAP	HC3	CO3	CO23	NOX3	Purge flow	Sniff test (ppm)
vehicle 1	*30/05/96*	*L*	*FORD*	*CORTINA*	*1/05/80*	*SED*	*157413*	*A3*	*31.73*	*1.25*	*10.48*	*223.60*	*3.13*	*206.5*	*283*
vehicle 1	*31/05/96*	*L*	*FORD*	*CORTINA*	*1/05/80*	*SED*	*157463*	*A3*	*33.66*	*1.26*	*11.72*	*220.37*	*3.15*	*200.7*	*83*
vehicle 2	13/06/96	L	NISSAN	PULSAR	1/10/82	SED	176147	A3	3.75	1.97	29.55	155.22	1.44	287	700
vehicle 2	14/06/96	L	NISSAN	PULSAR	1/10/82	SED	176147	A3	2.88	1.88	29.95	156.99	1.43	306	8
vehicle 3	21/05/96	L	TOYOTA	COROLLA	1/07/83	SED	97253	M5	7.85	1.94	10.87	187.50	1.44	100.9	1000
vehicle 3	22/05/96	L	TOYOTA	COROLLA	1/07/83	SED	97296	M5	7.35	1.94	10.20	183.21	1.43	97.5	5
vehicle 4	*14/05/96*	*L*	*GMH*	*COM.*	*1/02/85*	*SED*	*170610*	*A3*	*44.44*	*1.78*	*24.65*	*297.66*	*4.40*	*209.1*	*12*
vehicle 4	*15/05/96*	*L*	*GMH*	*COM.*	*1/02/85*	*SED*	*170652*	*A3*	*43.00*	*1.94*	*31.12*	*295.68*	*3.69*	*200.8*	*34*
vehicle 5	7/05/96	L	MITSUB.	COLT	1/05/85	SED	123578	M4	18.84	1.84	15.89	168.65	2.15	30.3	2940
vehicle 5	8/05/96	L	MITSUB.	COLT	1/05/85	SED	123633	M4	6.25	1.78	16.87	167.27	2.07	29.7	45
vehicle 6	16/05/96	UL	MITSUB.	MAGNA	1/03/87	SED	145274	A4	7.42	0.14	5.94	264.07	1.47	97	3000
vehicle 6	17/05/96	UL	MITSUB.	MAGNA	1/03/87	SED	145317	A4	0.97	0.16	6.55	267.12	1.46	110.2	2.8
vehicle 7	23/05/96	UL	GMH	COM.	12/04/89	SWAG	121988	A4	1.71	0.32	3.87	284.99	1.10	121.6	300
vehicle 7	24/05/96	UL	GMH	COM.	12/04/89	SWAG	122032	A4	0.21	0.33	3.59	286.82	1.09	131.6	2
vehicle 8	30/04/96	UL	NISSAN	PINTARA	1/02/90	SED	53451	A4	0.61	0.32	5.61	263.94	1.61	303.4	3000
vehicle 8	1/05/96	UL	NISSAN	PINTARA	1/02/90	SED	53500	A4	0.15	0.32	5.73	263.15	1.60	298.3	3.3
vehicle 9	28/05/96	UL	TOYOTA	CAMRY	1/02/91	SED	42992	A4	0.48	0.56	6.77	204.46	1.18	250	600
vehicle 9	29/05/96	UL	TOYOTA	CAMRY	1/02/91	SED	43035	A4	0.28	0.40	4.11	207.53	1.20	250	1.8

The purge flow is in litres per preconditioning drive of 12km or 23 min

Results in italics not included in analysis

Canister Results Summary

CEPA PETROL VOLATILITY PROJECT

Canister Component

Vehicle Details

Owner	Vehicle 1	
Registration Number		
Make	FORD	
Model	CORTINA	
Engine Displacement (l)	2.0	
No of Cylinders	4	
Fuel System (C orEFI)	C	
VIN	CG56XC53084R	
Compliance Date & ADR	May-80	27A
Odometer	157413	
Inertia Category	1247	

Fuel Type & Certificate No.		LEADED	AM00019D94

Parts Replaced

CANISTER

State of Tune

	Specified	Measured
Idle RPM	780-820	950
Ignition Timing °B or A	4+-2B	4B
Carbon Monoxide (%)	NS	0.36
Hydrocarbons (ppm)	NS	60
Oxygen (%)	NS	1.8
Carbon Dioxide (%)	NS	14.5

Emission Test Results

	DATE	HC	CO	CO_2	NOx	l/100k	Evap grams
Old Canister	30/05/96	1.25	10.48	223.60	3.13	10.55	31.7
New Canister	31/05/96	1.26	11.72	220.37	3.15	10.50	33.7

Sniff Test (ppm)

	Fuel Cap	Canister
Old Canister	30	283
New Canister	30	83

Canister Purge Flow (litres)

Old Canister	206.5
New Canister	200.65

Canister Weight	Initial	Post Purge	Post Diurnal	diff	Post Hot Soak	diff	Final Purge
Old grams	731.84	731.48	732.24	0.76	732.04	0.56	731.44
New grams	711.82		710.99	-0.83	710.15	-1.67	700.53

Comments:

Weight diffs. are from post purge for old and initial for new.

No temp. increase in canister during or after diurnal.

CEPA PETROL VOLATILITY PROJECT

Canister Component

Vehicle Details

Owner	Vehicle 2	
Registration Number		
Make	NISSAN	
Model	PULSAR	
Engine Displacement (l)	1.5	
No of Cylinders	4	
Fuel System (C orEFI)	C	
VIN	RHN12-001652	
Compliance Date & ADR	Oct-82	27C
Odometer	176147	
Inertia Category	1135	

Fuel Type & Certificate No.		LEADED	AM00019D94

Parts Replaced

CANISTER

State of Tune

	Specified	Measured
Idle RPM	800	880
Ignition Timing B or A	2	4
Carbon Monoxide (%)	NS	1.55
Hydrocarbons (ppm)	NS	173
Oxygen (%)	NS	10.5
Carbon Dioxide (%)	NS	6.6

Emission Test Results

	DATE	HC	CO	CO_2	NOx	l/100k	Evap grams
Old Canister	13/06/96	1.97	29.54	155.22	1.44	8.96	3.8
New Canister	14/06/96	1.88	29.95	156.99	1.43	9.05	2.9

Sniff Test (ppm)

	Fuel Cap	Canister
Old Canister	2	700
New Canister	6.5	8

Canister Purge Flow (litres)

Old Canister	>287
New Canister	>306

Canister Weight	Initial	Post Purge	Post Diurnal	diff	Post Hot Soak	diff	Final Purge
Old grams	569.77	566.23	598.72	32.49	587.75	21.52	571.52
New grams	603.05		639.32	36.27	625.61	22.56	608.06

Comments:

Weight diffs. are from post purge for old and initial for new.

No temp. increase in canister during or after diurnal.

CEPA PETROL VOLATILITY PROJECT

Canister Component

Vehicle Details

Owner	Vehicle 3	
Registration Number		
Make	TOYOTA	
Model	COROLLA	
Engine Displacement (l)	1.3	
No of Cylinders	4	
Fuel System (C orEFI)	C	
VIN	KE70E-9740994	
Compliance Date & ADR	Jul-83	27C
Odometer	97253	
Inertia Category	1134	

Parts Replaced

CANISTER

Fuel Type & Certificate No.		LEADED	AM00019D94

State of Tune

	Specified	Measured
Idle RPM	750	720
Ignition Timing °B or A	8B	8B
Carbon Monoxide (%)	2.0	2.13
Hydrocarbons (ppm)	NS	209
Oxygen (%)	NS	1.4
Carbon Dioxide (%)	NS	15.3

Emission Test Results

	DATE	HC	CO	CO_2	NOx	l/100k	Evap grams
Old Canister	21/05/96	1.94	10.87	187.50	1.44	9.11	7.8
New Canister	22/05/96	1.94	10.20	183.21	1.43	8.88	7.4

Sniff Test (ppm)

	Fuel Cap	Canister
Old Canister	8	>1000
New Canister	17	5

Canister Purge Flow (litres)

Old Canister	100.9
New Canister	97.543

Canister Weight	Initial	Post Purge	Post Diurnal	diff	Post Hot Soak	diff	Final Purge
Old grams	855.79	841.88	874	32.12	850.86	8.98	837.69
New grams	731.12		765.38	34.26	751.47	20.35	734.93

Comments:

Weight diffs. are from post purge for old and initial for new.

CEPA PETROL VOLATILITY PROJECT

Canister Component

Vehicle Details

Owner	Vehicle 4	
Registration Number		
Make	HOLDEN	
Model	COMMODORE	
Engine Displacement (l)	3.3	
No of Cylinders	6	
Fuel System (C orEFI)	C	
VIN	VK8VK19-113	
Compliance Date & ADR	Feb-85	27C
Odometer	170610	
Inertia Category	1417	

Parts Replaced

FUEL CAP
CANISTER

Fuel Type & Certificate No.		LEADED		3/3409

State of Tune

	Specified	Measured
Idle RPM	850+/-50	850
Ignition Timing °B or A	NA	NA
Carbon Monoxide (%)	NA	2.94
Hydrocarbons (ppm)	NS	42
Oxygen (%)	NS	3.2
Carbon Dioxide (%)	NS	11.7

Emission Test Results

	DATE	HC	CO	CO_2	NOx	l/100k	Evap grams
Old Canister	14/05/96	1.78	24.65	297.66	4.40	14.79	40.4
New Canister	15/05/96	1.94	31.12	295.68	3.69	15.17	43.0

Sniff Test (ppm)

	Fuel Cap	Canister
Old Canister	80	12
New Canister	50	34

Canister Purge Flow (litres)

Old Canister	209.14
New Canister	200.81

Canister Weight	**Initial**	**Post Purge**	**Post Diurnal**	**diff**	**Post Hot Soak**	**diff**	**Final Purge**
Old grams	758.74	755.57	760.45	4.88	761.75	6.18	
New grams	622.91		635.22	12.31	634.77	11.86	

Comments:

Weight diffs. are from post purge for old and initial for new.

CEPA PETROL VOLATILITY PROJECT

Canister Component

Vehicle Details

Owner	Vehicle 5	
Registration Number		
Make	MITSUBISHI	
Model	COLT	
Engine Displacement (l)	1.4	
No of Cylinders	4	
Fuel System (C orEFI)	C	
VIN	RC3M44SE06002228	
Compliance Date & ADR	May-85	27C
Odometer	123578	
Inertia Category	1021	

Parts Replaced

CANISTER

Fuel Type & Certificate No.		LEADED		3/3409

State of Tune

	Specified	Measured
Idle RPM	850+/-50	800
Ignition Timing °B or A	5B	5B
Carbon Monoxide (%)	1-2	2.19
Hydrocarbons (ppm)	NS	255
Oxygen (%)	NS	0.2
Carbon Dioxide (%)	NS	13.8

Emission Test Results

	DATE	HC	CO	CO_2	NOx	l/100k	Evap grams
Old Canister	7/05/96	1.84	15.89	168.65	2.15	8.62	18.8
New Canister	8/05/96	1.78	16.87	167.27	2.07	8.62	6.2

Sniff Test (ppm)

	Fuel Cap	Canister
Old Canister	300	2940
New Canister	8	45

Canister Purge Flow (litres)

Old Canister	30.256
New Canister	29.725

Canister Weight	Initial	Post Purge	Post Diurnal	diff	Post Hot Soak	diff	Final Purge
Old grams	875.7	868.8	895.3	26.50	879.27	10.47	
New grams	881.67		928.57	46.90	906.34	24.67	

Comments:

Weight diffs. are from post purge for old and initial for new.

CEPA PETROL VOLATILITY PROJECT

Canister Component

Vehicle Details

Owner	Vehicle 6	
Registration Number		
Make	MITSUBISHI	
Model	MAGNA	
Engine Displacement (l)	2.6	
No of Cylinders	4	
Fuel System (C orEFI)	C	
VIN	TN2H41UC26000812	
Compliance Date & ADR	Mar-87	37
Odometer	145274	
Inertia Category	1417	

Parts Replaced

CANISTER

Fuel Type & Certificate No.		ULP	AM00030D94

State of Tune

	Specified	Measured
Idle RPM	850+/-50	830
Ignition Timing °B or A	5+/-2B	5B
Carbon Monoxide (%)	NS	0.00
Hydrocarbons (ppm)	NS	13
Oxygen (%)	NS	5.4
Carbon Dioxide (%)	NS	13.5

Emission Test Results

	DATE	HC	CO	CO_2	NOx	l/100k	Evap grams
Old Canister	16/05/96	0.14	5.94	264.07	1.47	11.84	7.4
New Canister	17/05/96	0.16	6.55	267.12	1.46	12.02	1.0

Sniff Test (ppm)

	Fuel Cap	Canister
Old Canister	2.8	>3000
New Canister	3.7	2.8

Canister Purge Flow (litres)

Old Canister	66.998
New Canister	110.24

Canister Weight	Initial	Post Purge	Post Diurnal	diff	Post Hot Soak	diff	Final Purge
Old grams	538.53	521.59	556	34.41	542.15	20.56	
New grams	442.72		498.73	56.01	485.87	43.15	

Comments:

Weight diffs. are from post purge for old and initial for new.

CEPA PETROL VOLATILITY PROJECT

Canister Component

Vehicle Details

Owner	Vehicle 7	
Registration Number		
Make	HOLDEN	
Model	COMMODORE	
Engine Displacement (l)	3.8	
No of Cylinders	6	
Fuel System (C orEFI)	EFI	
VIN	6H8VNK35HKL336075	
Compliance Date & ADR	Apr-89	37
Odometer	121988	
Inertia Category	1531	

Parts Replaced

CANISTER

Fuel Type & Certificate No.		ULP	AM00030D94

State of Tune

	Specified	Measured
Idle RPM	750+-50	710
Ignition Timing ^{o}B or A	10B	NA
Carbon Monoxide (%)	NS	0.51
Hydrocarbons (ppm)	NS	65
Oxygen (%)	NS	0.7
Carbon Dioxide (%)	NS	14.5

Emission Test Results

	DATE	HC	CO	CO_2	NOx	l/100k	Evap grams
Old Canister	23/05/96	0.32	3.87	284.99	1.10	12.63	1.7
New Canister	24/05/96	0.33	3.59	286.82	1.09	12.69	0.2

Sniff Test (ppm)

	Fuel Cap	Canister
Old Canister	40	300
New Canister	1.8	2

Canister Purge Flow (litres)

Old Canister	121.62
New Canister	131.55

Canister Weight	Initial	Post Purge	Post Diurnal	diff	Post Hot Soak	diff	Final Purge
Old grams	461.35	448.77	488.51	39.74	466.38	17.61	449.47
New grams	405.58		437.34	31.76	429.67	24.09	406

Comments:

Weight diffs. are from post purge for old and initial for new.

CEPA PETROL VOLATILITY PROJECT

Canister Component

Vehicle Details

Owner	Vehicle 8	
Registration Number		
Make	Nissan	
Model	Pintara	
Engine Displacement (l)	2.0	
No of Cylinders	4	
Fuel System (C orEFI)	EFI	
VIN	6F4SPRU12K0M04448	
Compliance Date & ADR	Feb-90	37
Odometer	53451	
Inertia Category	1361 + AIRCON	

Parts Replaced

CANISTER
RADIATOR CAP

Fuel Type & Certificate No.		DoT Unleaded	3/3456

State of Tune

	Specified	Measured
Idle RPM	800+/-20	810
Ignition Timing ^{o}B or A	10 BTDC	NR
Carbon Monoxide (%)	NS	0.04
Hydrocarbons (ppm)	NS	14
Oxygen (%)	NS	0.3
Carbon Dioxide (%)	NS	15.8

Emission Test Results

	DATE	HC	CO	CO_2	NOx	l/100k	Evap grams
Old Canister	30/04/96	0.32	5.61	263.94	1.61	11.84	0.6
New Canister	1/05/96	0.32	5.73	263.15	1.60	11.81	0.2

Sniff Test (ppm)

	Fuel Cap	Canister
Old Canister	3.5	>3000
New Canister	2.7	3.3

Canister Purge Flow (litres)

Old Canister	303.4
New Canister	298.3

Canister Weight	Initial	Post Purge	Post Diurnal	diff	Post Hot Soak	diff	Final Purge
Old grams	556.91	544.46	571.23	26.77	558.46	14.00	
New grams	563.96		596.66	32.70	588.65	24.69	

Comments:

Weight diffs. are from post purge for old and initial for new.

New canister quite warm after diurnal.

CEPA PETROL VOLATILITY PROJECT

Canister Component

Vehicle Details

Owner	Vehicle 9	
Registration Number		
Make	TOYOTA	
Model	CAMRY	
Engine Displacement (l)	2.0	
No of Cylinders	4	
Fuel System (C orEFI)	EFI	
VIN	6T153SV2109130679	
Compliance Date & ADR	Feb-91	37
Odometer	42992	
Inertia Category	1417	

Parts Replaced

CANISTER

Fuel Type & Certificate No.		ULP	AM00030D94

State of Tune

	Specified	Measured
Idle RPM	NS	700
Ignition Timing °B or A	10B	10B
Carbon Monoxide (%)	NS	1.60
Hydrocarbons (ppm)	NS	351
Oxygen (%)	NS	2.9
Carbon Dioxide (%)	NS	12.4

Emission Test Results

	DATE	HC	CO	CO_2	NOx	l/100k	Evap grams
Old Canister	28/05/96	0.56	6.77	204.46	1.18	9.38	0.5
New Canister	29/05/96	0.40	4.11	207.53	1.20	9.31	0.3

Sniff Test (ppm)

	Fuel Cap	Canister
Old Canister	2	600
New Canister	1.9	1.8

Canister Purge Flow (litres)

Old Canister	>250
New Canister	>250

Canister Weight	Initial	Post Purge	Post Diurnal	diff	Post Hot Soak	diff	Final Purge
Old grams	901.42	891.52	934.73	43.21	909.26	17.74	890.74
New grams	832.82		882.13	49.31	877.44	44.62	855.32

Comments:

Weight diffs. are from post purge for old and initial for new.