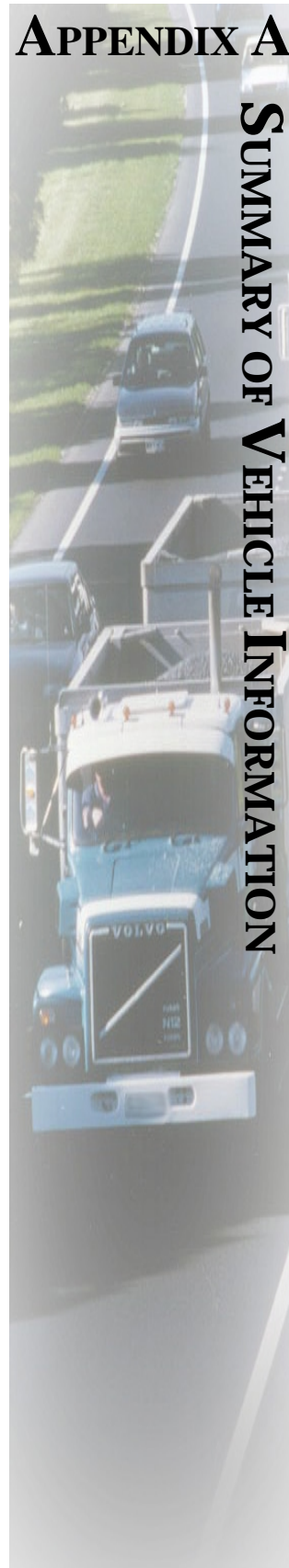


ATTACHMENT 1

CSIRO MATHEMATICAL AND INFORMATION SCIENCES (CMIS) – THE IDENTIFICATION OF TYPICAL DRIVE CYCLES FOR DIESEL VEHICLES



Proposed Diesel Vehicle Emissions
National Environment Protection Measure
Preparatory Work

In-Service Emissions Performance
Phase 1: Urban Drive Cycle Development

APPENDIX A: SUMMARY OF VEHICLE INFORMATION

Vehicle Ident	ADR Category	Wt Category	Vehicle Type	RPM Recorded	Manufacturer and model	Vehicle Logging		Distance km	Time hours
						start	end		
1	MC	<3.5t	4WD Pass	Yes	Mitsu Pajero	7-Sep-98	14-Sep-98	421.8	10.7
2	MC	<3.5t	4WD Pass	Yes	Toyota Land Cr	17-Sep-98	24-Sep-98	386.8	9.6
3	NA	<3.5t	Panel van	Yes	Ford Transit (auto)	19-Oct-98	22-Oct-98	197.7	11.7
4	NA	<3.5t	Panel van	Yes	Ford Transit	21-Oct-98	23-Oct-98	184.7	5.7
5	ME	3.5-12t	Bus	No	MAN Euroll	12-Oct-98	13-Oct-98	213.4	13.7
6	NB	3.5-12t	Rigid	No	Ford Trader	15-Sep-98	21-Sep-98	639.3	14.3
7	NB	3.5-12t	Rigid	Yes	Isuzu Npr301	30-Sep-98	2-Oct-98	169.0	10.1
8	NB	3.5-12t	Rigid	Yes	Daihatsu Delta	4-Nov-98	4-Nov-98	142.9	4.4
9	ME	12-25t	Bus	Yes	Scania Euro-II	23-Sep-98	25-Sep-98	292.3	13.4
10	ME	12-25t	Bus	No	Merc 0405	13-Oct-98	14-Oct-98	91.4	4.8
11	ME	12-25t	Bus	Yes	Volvo	4-Nov-98	5-Nov-98	333.7	13.9
12	NC	12-25t	Rigid	No	Nissan UD PK235	3-Oct-98	10-Oct-98	500.6	19.2
13	NC	12-25t	Rigid	Yes	Mitsubishi	22-Oct-98	28-Oct-98	480.0	16.3
14	NC	12-25t	Rigid	Yes	Isuzu	9-Oct-98	12-Oct-98	421.6	14.0
15	NCH	>25t	Prime Mov	No	Freightliner	7-Oct-98	9-Oct-98	387.2	13.0
16	NCH	>25t	Prime Mov	Yes	Freightliner	15-Oct-98	20-Oct-98	341.3	11.8
17	NCH	>25t	Rigid	Yes	Refuse Truck	27-Oct-98	29-Oct-98	344.9	18.7

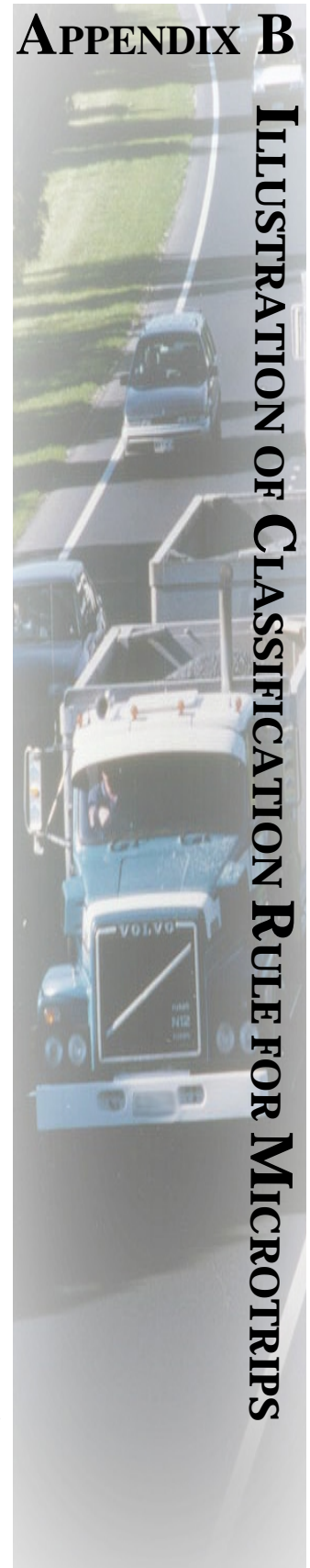
Vehicle 8 was used to obtain the validation test data from the four road conditions.
Some data were omitted by the EPA for Vehicle 8 to improve accuracy of the nominated road conditions.

ATTACHMENT 1 **APPENDIX B**

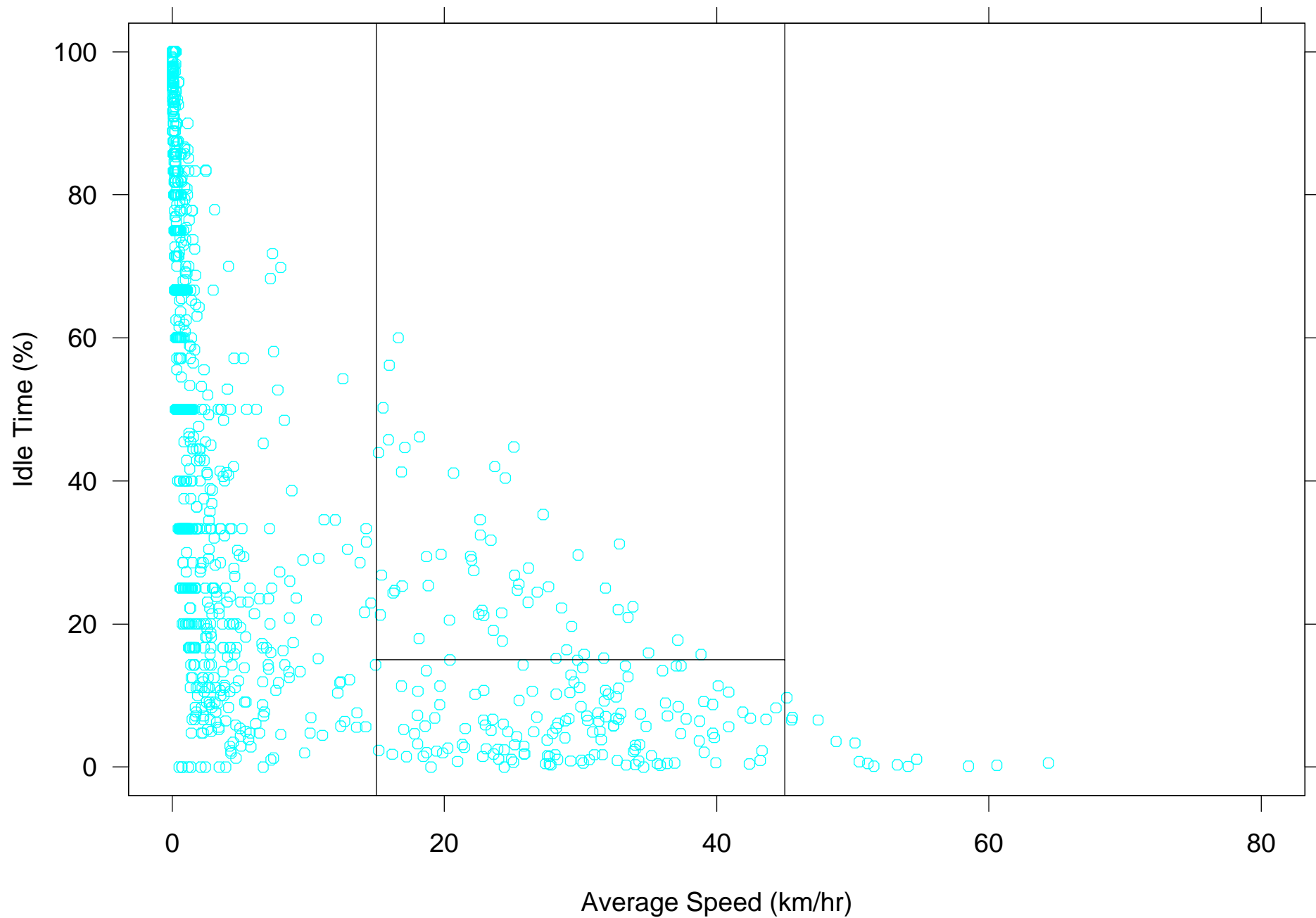
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Plot of Average Speed versus Idle Time for Vehicle 12 Microtrips



Classification of Vehicle 8 Microtrips

