

# MILLBROOK VEHICLE EMISSIONS LABORATORY MK45 2JQ

## MLTB CYCLE DIESEL EMISSIONS TEST SUMMARY SHEET

Customer:	<b>Transport for London</b>			
Customer Address:	<b>11th Floor G6 Palestra, 197 Blackfriars Road, Southwark, London</b>			
Test Purpose:	<b>Emission Baseline of Conventional Euro 5 E200</b>			
Vehicle No:	<b>SN10 CBF</b>	Site No. <b>2</b>	<b>DYNAMOMETER SETTINGS</b>	
Vehicle Type:	<b>ADL E200</b>		INERTIA	8798 kg
Engine:	<b>Cummins ISB 4.5 EV 140B</b>		F°	150.00 N
Transmission:	<b>Auto</b>		F <sup>1</sup>	-6.030 N/kmh
Fuel Type:	<b>Pump ULSD</b>		F <sup>2</sup>	0.43000 N/kmh <sup>2</sup>
Fuel Batch No:	<b>EN590 compliant</b>		F <sup>3</sup>	-0.001800 N/kmh <sup>3</sup>
Millbrook Project No:	<b>PT0034-022-01</b>			

Test No. <b>ML02010667</b>		<b>28-Jun-10</b>							Fuel Cons
Odo	<b>774</b>	UNITS	HC	CO	NOx	CO2	PM	(Carb Bal)	
Phase 1	<i>Outer London</i>	grammes	0.092	1.796	42.987	5458.7	0.110	31.82	
Phase 2	<i>Inner London</i>	grammes	0.064	0.546	36.316	3009.2	0.062	45.06	
Combined result		g/km	0.017	0.260	8.807	940.4	0.019	litres/100km	
								<b>35.53</b>	

Test No. <b>ML02010669</b>		<b>28-Jun-10</b>							Fuel Cons
Odo	<b>790</b>	UNITS	HC	CO	NOx	CO2	PM	(Carb Bal)	
Phase 1	<i>Outer London</i>	grammes	0.036	1.146	42.386	5485.2	0.141	32.04	
Phase 2	<i>Inner London</i>	grammes	0.023	0.343	34.762	2986.2	0.090	44.72	
Combined result		g/km	0.007	0.166	8.583	942.4	0.026	litres/100km	
								<b>35.60</b>	

Test No. <b>ML02010670</b>		<b>28-Jun-10</b>							Fuel Cons
Odo	<b>804</b>	UNITS	HC	CO	NOx	CO2	PM	(Carb Bal)	
Phase 1	<i>Outer London</i>	grammes	0.075	0.612	41.783	5449.4	0.118	31.83	
Phase 2	<i>Inner London</i>	grammes	0.044	0.564	34.634	2988.8	0.079	44.75	
Combined result		g/km	0.013	0.131	8.500	938.6	0.022	litres/100km	
								<b>35.45</b>	

Average of Combined Tests (g/km)	0.012	0.186	8.630	940.5	0.022	35.53
Standard Deviation/Mean x100	35.48	29.44	1.50	0.17	12.03	0.17

COMMENTS Engine calibration updated to latest version (J90058 V3) before test

Compiling Engineer:	DATE:	Approving Engineer:	DATE:
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