Cummins	**Cummins Inc.** Columbus, Indiana 47201 **EXHAUST EMISSIONS DATA SHEET**	Basic Engine Model: **6BTA5.9-G3** Engine Critical Parts List: **CPL: 8387**	Curve Number: **FR-91232 @ 1500 RPM** **FR-91231 @ 1800 RPM** Date: **6Dec06**	*G-DRIVE* **B5.9**

Displacement : **5.88** litre (**359.0** in^3)	Bore : **102** mm (**4.02** in.) Stroke : **120** mm (**4.72** in.)
No. of Cylinders : **6**	Aspiration : **Turbocharged and Aftercooled**
Emissions Control Device : **Turbocharger**	

Engine Speed	Standby Power		Prime Power		Continuous Power	
RPM	kWm	BHP	kWm	BHP	kWm	BHP
1500	135	181	122	164	TBD	TBD
1800	154	207	140	188	TBD	TBD

Exhaust Emissions Data @ 1500 RPM

	Standby Power	Prime Power	Continuous Power
Component	g/BHP·h	g/BHP·h	g/BHP·h
HC (Total Unburned Hydrocarbons)	0.10	0.11	N/A
NOx (Oxides of Nitrogen as NO_2)	7.23	6.80	N/A
CO (Carbon Monoxide)	4.78	3.66	N/A
PM (Particulate Matter)	0.80	0.73	N/A

Exhaust Emissions Data @ 1800 RPM

	Standby Power	Prime Power	Continuous Power
Component	g/BHP·h	g/BHP·h	g/BHP·h
HC (Total Unburned Hydrocarbons)	0.16	0.20	N/A
NOx (Oxides of Nitrogen as NO_2)	6.82	6.07	N/A
CO (Carbon Monoxide)	2.26	1.61	N/A
PM (Particulate Matter)	0.49	0.26	N/A

* Tested in accordance with ISO 8178 D2 Reference 40 CFR 89 and weighted at load points described in Subpart “E”, Appendix “A” for constant speed engines.

Conversion: (g/kWm•h = g/BHP•h x 1.34)

Test Methods and Conditions

Test Methods:

Steady-State emissions recorded per ISO8178-1 during operation at rated engine speed (+/-2%) and stated constant load (+/-2%) with engine temperatures, pressures and emission rates stabilized.

Fuel Specification:

46.5 Cetane Number, 0.035 Wt.% Sulfur; Reference ISO8178-5, 40CFR86.1313-98 Type 2-D and ASTM D975 No. 2-D.

Reference Conditions:

25°C (77°F) Air Inlet Temperature, 40°C (104°F) Fuel Inlet Temperature, 100 kPa (29.53 in Hg) Barometric Pressure; 10.7 g/kg (75 grains H_20/lb) of dry air Humidity (required for NOx correction); Intake Restriction set to maximum allowable limit for clean filter; Exhaust Back Pressure set to maximum allowable limit.

Data was taken from a single engine test according to the test methods, fuel specification and reference conditions stated above and is subject to engine-to-engine variability. Tests conducted with alternate test methods, instrumentation, fuel or reference conditions can yield different results.

Data Subject to Change Without Notice.