Emissions Report for Heavy Duty Engine Test

SW Version: Horiba v1.0
Test Run No: 257
Test Type: SET2010
CFR: 1065

General Data

TestCell :	HD05	**Operator :**	Dale
Test ID :	HD\Ramped Test 7/20/2016 12:26:05 PM	**Test Date :**	7/20/2016
Cycle :	SET2010	**Start Time :**	1:16:10 PM
Power Map :	HD\Power Map 7/13/2016 3:49:32 PM	**End Time :**	1:56:16 PM
		Engine Hours Start :	5140.66
		Engine Hours End :	5141.33

Engine Data

EngManufacturer:	Cummins Inc.	**Intake Restrictive Set Point (kPa):**	-10
Engine Model :	Cummins ISB260	**Exhaust Restrictive Set Point (kPa):**	5
Engine Number:	58246264	**Low Idle Speed (rpm):**	700
Engine Family:	GCEXH0408BAP	**Eng Displacement (liter) :**	6.7
Fuel Type :	Diesel		
Fuel HC Ratio:	1.8		
Governor :	Automotive		
Engine Aspiration Type :	Turbocharged		
Num of Cylinder:	6		

	Specified	Observed
Idle Torque CITT (Nm) :	0	
Max Test Speed (rpm) :	2596	2605
Max Test Power@Speed (rpm) :	0	200.7@2428
Max Test Torque@Speed (rpm) :	0	934.2@1558

Other Engine Inputs:

Test Conditions

			Average	Min	Max
Barometric Pressure (kPa) :	99.10	**Oil Temperature (°C) :**	109.18	97.90	116.28
Intake Air Temperature (°C) :	26.57	**Coolant Temperature (°C) :**	93.05	90.30	96.97
Average Fuel Flow Rate (kg/hr) :	21.60	**PM Trap Face Temperature (°C) :**	378.38	184.47	484.95
Absolute Humidity (g/Kg) :	9.37				
Dewpoint (°C) :	12.14				
Average Fuel Pump Inlet Temp (°C) :	39.23				

Emissions Report for Heavy Duty Engine Test

SW Version: Horiba v1.0
Test Run No: 257
Test Type: SET2010
CFR: 1065

Test Results

Cycle Work (kWhr) :	64.99
Cycle Work (HPhr) :	87.15
BSFC Fuel Measurement (g/kWhr) :	222.16
BSFC Fuel Measurement (g/hphr) :	165.66
BSFC CB (g/kWhr) :	218.91
BSFC CB (g/hphr) :	163.24

	CO	THC	NOx	CO2	CH4	NMHC	NMHC+NOX	N2O	PM
	µmol/mol	µmol/mol	µmol/mol	%mol	µmol/mol	µmol/mol		µmol/mol	
Ambient Bag Concentration :	0.7081	3.9548	0.0235	0.043	1.9378	1.8678		0.3026	
Sample Bag Concentration :	1.5790	3.4012	5.2462	1.360	1.6040	1.6738		1.6370	
Dilute Exhaust Concentration :	1.2052	3.7914	5.4131	1.378	0.1686	3.6098		1.8574	
Emission/Test (g) :	2.0430	0.2433	18.6740	45284.7	0.0000	0.0000	18.6740	4.6619	0.0833
Brake Specific Emission (g/kWhr):	0.0310	0.0040	0.2870	692.8	0.0030	0.0040	0.2910	0.0720	0.0013
Brake Specific Emission (g/hphr):	0.0230	0.0030	0.2140	516.6	0.0020	0.0030	0.2170	0.0530	0.0010