



EPA Tier 1 Emission Data  
Fire Pump NSPS Compliant

CFP59-F15 Fire Pump Driver

Type: 4 Cycle; In-Line; 6 Cylinder  
Aspiration: Turbocharged, Charge Air Cooled

15 PPM Diesel Fuel													
RPM	BHP	Fuel Consumption		D2 Cycle Exhaust Emissions						Exhaust			
		Gal/Hr	L/hr	Grams per BHP - HR			Grams per kW - HR			Temperature		Gas Flow	
				NMHC+NOx	CO	PM	NMHC+NOx	CO	PM	°F	°C	CFM	L/sec
2100	122	6.5	24.6	4.227	0.746	0.242	5.668	1.000	0.324	785	418	762	360
2350	126	7.1	26.9							776	413	865	408
2600	126	7.4	28.0							780	416	975	460

The emissions values above are based on CARB approved calculations for converting EPA (500 ppm) fuel to CARB 15 ppm fuel.

300-500 PPM Diesel Fuel													
RPM	BHP	Fuel Consumption		D2 Cycle Exhaust Emissions						Exhaust			
		Gal/Hr	L/hr	Grams per BHP - HR			Grams per kW - HR			Temperature		Gas Flow	
				NMHC+NOx	CO	PM	NMHC+NOx	CO	PM	°F	°C	CFM	L/sec
2100	122	6.5	24.6	4.623	0.746	0.276	6.200	1.000	0.370	785	418	762	360
2350	126	7.1	26.9							776	413	865	408
2600	126	7.4	28.0							780	416	975	460

B5.9T Base Model Manufactured by Cummins Inc.  
- Using fuel rating 90026

Reference EPA Standard Engine Family: 2CEXL0359AAA

No special options needed to meet current emission regulations for 49 states.

**Test Methods:**

EPA/CARB Nonroad emissions recorded per 40CFR89 (ref. ISO8178-1) and weighted at load points prescribed in Subpart E, Appendix A, for Constant Speed Engines (ref. ISO8178-4, D2).

**Diesel Fuel Specifications:**

Cetane Number: 40-48  
Reference: ASTM D975 No. 2-D

**Reference Conditions:**

Air Inlet Temperature: 25°C (77°F)  
Fuel Inlet Temperature: 40°C (104°F)  
Barometric Pressure: 100 kPa (29.53 in Hg)  
Humidity: 10.7 g/kg (75 grains H<sub>2</sub>O/lb) of dry air; required for NOx correction  
Restrictions: Intake Restriction set to a maximum allowable limit for clean filter; Exhaust Back Pressure set to maximum allowable limit.

Tests conducted using alternate test methods, instrumentation, fuel or reference conditions can yield different results.

**Revision:**

May 2008: Revised EPA engine family number