



Pursuant to the authority vested in the Air Resources Board by Sections 43013, 43018, 43101, 43102, 43104 and 43105 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-02-003;

**IT IS ORDERED AND RESOLVED:** That the following compression-ignition engine and emission control system produced by the manufacturer are certified as described below for use in off-road equipment. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	ENGINE FAMILY	DISPLACEMENT (liters)	FUEL TYPE	USEFUL LIFE (hours)
2003	3CEXL050.AAA	38 and 50	Diesel	8000
SPECIAL FEATURES & EMISSION CONTROL SYSTEMS			TYPICAL EQUIPMENT APPLICATION	
Direct Diesel Injection, Turbocharger, Charge Air Cooler			Haul Truck and Excavator	

The engine models and codes are attached.

The following are the exhaust certification standards (STD) and certification levels (CERT) for hydrocarbon (HC), oxides of nitrogen (NOx), or non-methane hydrocarbon plus oxides of nitrogen (NMHC+NOx), carbon monoxide (CO), and particulate matter (PM) in grams per kilowatt-hour (g/kw-hr), and the opacity-of-smoke certification standards and certification levels in percent (%) during acceleration (Accel), lugging (Lug), and the peak value from either mode (Peak) for this engine family (Title 13, California Code of Regulations, (13 CCR) Section 2423):

RATED POWER CLASS	EMISSION STANDARD CATEGORY		EXHAUST (g/kw-hr)					OPACITY (%)		
			HC	NOx	NMHC+NOx	CO	PM	ACCEL	LUG	PEAK
KW > 560	Tier 1	STD	1.3	9.2	N/A	11.4	0.54	20	15	50
		CERT	0.4	8.1	--	2.0	0.23	14	6	24

**BE IT FURTHER RESOLVED:** That for the listed engine models, the manufacturer has submitted the information and materials to demonstrate certification compliance with 13 CCR Section 2424 (emission control labels), and 13 CCR Sections 2425 and 2426 (emission control system warranty).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

**This Executive Order is only granted to the engine family and model-year listed above. Engines in this family that are produced for any other model-year are not covered by this Executive Order.**

Executed at El Monte, California on this 14<sup>th</sup> day of November 2002.

Allen Lyons, Chief  
Mobile Source Operations Division

# Engine Model Summary Form

ATTACHMENT Pg 1 of 1

WL-R-002 - 0175

Manufacturer: Cummins Inc.  
 Engine category: Nonroad CI  
 EPA Engine Family: 3CEXL050.AAA  
 Mfr Family Name: A203  
 Process Code: New Submission

Date

1. Engine Code	2. Engine Model	3. BHP@RPM (SAE Gross)	4. Fuel Rate: num/stroke @ peak HP (for diesel only)	5. Fuel Rate: num/stk @ peak HP (for diesel only)	6. Torque @ RPM (SEA Gross)	7. Fuel Rate: num/stroke@peak torque	8. Fuel Rate: (lbs/hr)/@peak torque	9. Emission Control Device Per SAE J1930
2913:FR 6358	KT A50-G	2000 @ 1900	383	694	5800 @ 1500	399	538	DP TC, CAC
2914:FR 6357	KT A50-C	2000 @ 1900	383	684	6800 @ 1500	399	538	TC, CAC
2914:FR 0418	KT A50-G	1800 @ 1900	355	607	5224 @ 1500	359	484	TC, CAC
2936:FR 6367	KT A38-C	1260 @ 1800	309	436	3767 @ 1400	360	340	TC, CAC
2936:FR 6365	KT A20-G	1450 @ 1900	302	502	4127 @ 1400	391	369	TC, CAC
2936:FR 6373	KT A38-C	1360 @ 1900	370	474	4127 @ 1400	391	309	TC, CAC
2937:FR 6368	KT A38-G	1280 @ 1800	359	431	3757 @ 1400	360	340	TC, CAC
2937:FR 6366	KT A38-C	1450 @ 1900	342	502	4127 @ 1400	391	369	TC, CAC
2937:FR 6374	KT A38-G	1350 @ 1900	370	474	4127 @ 1400	391	369	DP TC, CAC