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) 8000		
2012	CMBXL07.2RJB	7.2, 4.8	Diesel			
	FEATURES & EMISSION		TYPICAL EQUIPMENT APPLICATION			
Electron Cooler, Selective	ic Direct Injection, Turbo Engine Control Module, Catalytic Reduction-Urea Catalyst	charger, Charge Air Oxidation Catalyst, I, Ammonia Oxidation	Crane, Loader, Tractor, Dozer, Compressor			

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	EMISSION		EXHAUST (g/kw-hr)					OPACITY (%)		
POWER CLASS	STANDARD CATEGORY		NMHC	NOx	NMHC+NOx	со	PM	ACCEL	LUG	PEAK
130 <u><</u> KW <u><</u> 560	Interim Tier 4/ ALT NOX	STD	0.19	2.0	N/A	3.5	0.02	N/A	N/A	N/A
		CERT	0.00	1.8		0.7	0.02			

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

_day of December 2011.

Annette Hebert, Chief

Mobile Source Operations Division

ATTACHMENT 10F1

Engine Model Summary Template

U-R-016-0096 17/242011

Engine Family	1.Engine Code	2.Engine Model	3.BHP@RPM (SAE Gross)	4.Fuel Rate: mm/stroke @ peak HP (for diesel only)	5.Fuel Rate: (lbs/hr) @ peak HP (for diesels only)	6.Torque @ RPM (SEA Gross)	7.Fuel Rate: mm/stroke@peak torque		9.Emission Control JeDevice Per SAE J1930
CMBXL07.2RJB	926 LA.E3B/1	OM926LA	322@2200	159	113.7	959@1400	181	81.9	DT, TC, ECM,
CMBXL07.2RJB	926 LA.E3B/2	OM926LA	302@2200	148	105.1	885@1400	166	75.2	CAC, SCR, OC, A MCX
CMBXL07.2RJB	926 LA.E3B/3	OM9 2 6LA	282@2200	138	98.1	826@1400	155	70.6	(all ratings)
CMBXL07.2RJB	926 LA.E3B/4	OM926LA	261@2200	128	90.7	752@1400	141	63.6	
CMBXL07.2RJB	926 LA.E3B/5	OM926LA	235@2200	115	81.8	626@1400	118	53.3	
CMBXL04.8RJB	924 LA.E3B/1	OM924LA	201@2200	145	69.4	590@1400	166	50.2	