California Environmental Protection Agency AIR RESOURCES BOARD	CUMMINS INC.	EXECUTIVE ORDER U-R-002-0367 New Off-Road Compression-Ignition Engines

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)
2007	7CEXL030.AAB	30.0	Diesel	8000

SPECIAL FEATURES & EMISSION CONTROL SYSTEMS	TYPICAL EQUIPMENT APPLICATION
Direct Diesel Injection, Turbocharger, Charge Air Cooler, Engine Control Module	Haul Truck, Drill and Other Industrial Equipment

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 2	STD	N/A	N/A	6.4	3.5	0.20	20	15	50
		CERT	--	--	5.6	0.9	0.09	20	3	34

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 6 day of November 2006.

Annette Hebert, Chief
Mobile Source Operations Division

Engine Model Summary Form

ATTACHMENT Pg 1 of 1

U-R-002-0367

Manufacturer: **Cummins Inc.**

Engine category: **Nonroad CI**

EPA Engine Family: **7CEXL030.AAB**

Mfr Family Name: **C573**

Process Code: **New Submission**

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	8.Fuel Rate: (lbs/hr)@peak torque	9.Emission Control Device Per SAE J1930
1244:FR5234	QST30-C	1200@2100	298	422.0	3750@1400	364	344.0	DDI,ECM,TC,CAC
1244:FR5246	QST30-C	760@2100	198	280.0	2471@1300	262	230.0	DDI,ECM,TC,C
1244:FR5245	QST30-C	850@1800	247	300.0	2807@1400	275	260.0	DDI,ECM,TC,C
1244:FR5244	QST30-C	850@2000	222	300.0	2807@1400	275	260.0	DDI,ECM,TC,C
1244:FR4243	QST30-C	900@2100	226	320.0	2764@1300	274	240.0	DDI,ECM,TC,C
1244:FR5242	QST30-C	950@2100	240	340.0	3089@1300	308	270.0	DDI,ECM,TC,C
1244:FR5241	QST30-C	1000@1800	288	350.0	3414@1300	331	290.0	DDI,ECM,TC,C
1244:FR5240	QST30-C	1000@2100	254	360.0	3414@1300	331	290.0	DDI,ECM,TC,C
1244:FR5239	QST30-C	1050@1900	288	370.0	3414@1300	331	290.0	DDI,ECM,TC,C
1244:FR5238	QST30-C	1050@1800	297	360.0	3414@1300	331	290.0	DDI,ECM,TC,C
1244:FR5237	QST30-C	1050@2100	261	370.0	3414@1300	331	290.0	DDI,ECM,TC,C
1244:FR5236	QST30-C	1100@2100	268	380.0	3414@1400	328	310.0	DDI,ECM,TC,C
2139:FR5258	QST30-C	1050@2100	261	370.0	3414@1300	331	290.0	DDI,ECM,TC,C
2139:FR5257	QST30-C	1200@2100	279	420.0	3750@1400	360	340.0	DDI,ECM,TC,C