Culifornia Environmental Protection Agency						
	ornia Environmental Protection Agency R RESOURCES BOARD					

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)		
2005	5CEXL0275AAC	4.5	Diesel	8000		
SPECIAL FEATURES & EMISSION CONTROL SYSTEMS			TYPICAL EQUIPMENT APPLICATION			
Direct Diesel Injection, Turbocharger			Crane, Loader, Tractor, Dozer, Pump, Compressor			

The engine models and codes are attached.

The following are the exhaust certification standards (STD), or family emission limit(s) (FEL) as applicable, 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		EXHAUST (g/kw-hr)				OPACITY (%)			
	STANDARD CATEGORY		нс	NOx	NMHC+NOx	со	PM	ACCEL	LUG	PEAK
37 <u><</u> kW < 75	Tier 2	STD	N/A	N/A	7.5	5.0	0.40	20	15	50
		FEL	N/A	N/A	7.3	N/A	N/A	N/A	N/A	N/A
		CERT			4.9	1.4	0.21	4	2	9

BE IT FURTHER RESOLVED: That the family emission limit(s) (FEL) is an emission level declared by the manufacturer for use in any averaging, banking and trading program and in lieu of an emission standard for certification. It serves as the applicable emission standard for determining compliance of any engine within this engine family under 13 CCR Sections 2423 and 2427.

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.

This Executive Order hereby cancels and replaces Executive Order U-R-002-0269 dated October 13, 2004.

Executed at El Monte, California on this

_____ day of December 2004.

Allen Lyons, Chief Mobile Source Operations Division

Engine Model Summary Form ATTACHMENT Pg (of (

UL-R-002-0269-1

Cummins Inc. Nonroad Cl Engine category: Manufacturer:

EPA Engine Family: 5CEXL0275AAC

New Submission Mr Family Name: C852 Process Code:

		7.Fuel Rate:	
		5.Fuel Rate:	()
		4.Fuel Rate:	

B.Fuel Rate: 9.Emission Control bs#u)@peak torque Device Per SAE J1930	31,7 × DDI,TC,EM	31.7 DDI.TC.EM	31.4 DDI-TC.EM		
ımrvstroke@peak torque	94	94	. 69		
6.Torque @ RPM (SEA Gross)	305@1500	305@1500	305@1500	300@1500	
(lbs/hr) @ peak HP (for diesels only)	37.8	42.1	39.1	35.6	
mm/stroke @ peak HP (for diesel only)	080	75	79		
3.BHP@RPM (SAE Gross)	99@2100	99@2500	99@2200	92@2200	
	B4.5 99@2100	B4.5	8204jER91170 B4.5 99@2200	B4.5	
1.Engine Code	8204;FH91276	8204;FH91169	8204)FR91170	8204,FR91171	

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