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	7CEXL0661AAF	11.0	Diesel	8000
	FEATURES & EMISSION			PLICATION
Direct Dies	sel Injection, Turbocharge Engine Control Mo	er, Charge Air Cooler, odule	Crane, Loader, Tractor an	d 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	EMISSION			E	EXHAUST (g/kw-ł	nr)		OF	PACITY (%	6)
POWER CLASS	STANDARD CATEGORY		нс	NOx	NMHC+NOx	со	PM	ACCEL	LUG	PEAK
130 <u>≤</u> kW < 450	Tier 3	STD	N/A	N/A	4.0	3.5	0.20	20	15	50
		FEL	N/A	N/A	3.9	N/A	0.15	N/A	N/A	N/A
		CERT			3.8	0.9	0.10	16	1	33

**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.

Executed at El Monte, California on this

day of November 2006.

Annette Hebert, Chief Mobile Source Operations Division

Engine Model Summary Form ATAGARGUT โรง เ อริ เ

U-R-002-0378

Manufacturer: Cummins Inc. Engine category: Nonroad CI

EPA Engine Family: 7CEXL0661AAF

Mfr Family Name: F353

Process Code: New Submission

146.4 1400@1400 296 139.9 DDI,ECM,TC,CAC   129.9 1260@1400 264 124.5 DDI,ECM,TC,C   147.5 1400@1400 296 139.9 DDI,ECM,TC,C   139.9 1400@1400 296 139.9 DDI,ECM,TC,C   139.9 1400@1400 296 139.9 DDI,ECM,TC,C   130.3 1235@1400 235 126 126.4 DDI,ECM,TC,C   130.3 1235@1400 235 111.1 DDI,ECM,TC,C   130.3 1235@1400 235 126.6 126.4   130.3 1235@1400 266 126.4 DDI,ECM,TC,C   130.3 1235@1400 251 116.7 DDI,ECM,TC,C   130.3 1235@1400 266 126.4 DDI,ECM,TC,C   130.3 1235@1400 261 126.4 DDI,ECM,TC,C   130.3 1235@1400 266 126.4 DDI,ECM,TC,C   130.3 1235@1400 266 DDI,ECM,TC,C   130.3	r diesel only) (for diesels only)	mm/stroke @ peak HP (for diesel only)
1260@1400     264     124.5       14.00@14.00     296     139.9       14.00@14.00     296     139.9       1400@1400     296     139.9       1400@1400     296     139.9       1400@1400     296     139.9       1400@1400     296     139.9       1400@1400     296     139.9       1235@1400     296     139.9       1235@1400     296     139.9       1235@1400     251     111.1       1235@1400     266     125.4       1050@1400     266     125.4       11050@1400     263     118.7       1235@1400     263     138.0       1235@1400     263     138.0       1235@1400     263     124.0       13610     263     124.0       13610     263     124.0		
14.00@14.00     296     139.9       14.00@14.00     296     139.9       14.00@14.00     296     139.9       14.00@14.00     296     139.9       14.00@14.00     296     139.9       14.00@14.00     296     139.9       1235.@14.00     296     125.4       1090@14.00     235     111.1       1162.@14.00     251     116.7       1235.@14.00     266     125.4       1235.@14.00     251     116.7       1235.@14.00     266     125.4       1235.@14.00     263     116.7       1235.@14.00     263     124.0       1235.@14.00     263     124.0       1361.@14.00     263     124.0       1361.@14.00     263     124.0		
1400@1400 296 139.9   1400@1400 296 139.9   1400@1400 296 139.9   1400@1400 296 139.9   1285@1400 266 125.4   1090@1400 235 111.1   1235@1400 251 116.7   1235@1400 266 125.4   1235@1400 266 126.4   1235@1400 266 126.4   1235@1400 266 126.4   1235@1400 268 174.0   1235@1400 268 175.4   1235@1400 268 1726.4   1235@1400 268 176.0   1235@1400 263 174.0   1235@1400 263 174.0		10.00
1400@1400     296     139.9       1400@1400     296     139.9       1400@1400     296     139.9       1235@1400     266     125.4       1000@1400     235     111.1       1162@1400     251     118.7       11235@1400     266     125.4       1235@1400     266     125.4       1235@1400     263     108.0       1235@1400     263     124.0       1235@1400     263     124.0       1161@1400     263     124.0       1161@1400     263     124.0		200 - 200
1400@1400     296     139.9       1235@1400     266     125.4       1000@1400     235     111.1       1050@1400     235     111.1       135.6@1400     251     118.7       1235@1400     266     125.4       1235@1400     265     118.7       1235@1400     266     125.4       1235@1400     263     108.0       1235@1400     263     124.0       1361@1400     263     124.0       1161@1400     263     124.0		A TANK
1235.@1400     266     125.4       1090@1400     235     11111       1362@1400     251     118.7       1235@1400     266     125.4       1235@1400     266     125.4       1235@1400     266     126.4       1235@1400     266     126.4       1235@1400     263     124.0       1235@1400     263     124.0       1161@1400     263     124.0		
1090@1400 235 1111 1462@1400 251 118.7 1235@1400 266 125.4 1050@1400 229 108.0 1235@1400 263 124.0 1161@1400 248 117.1		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
1162@1400     251     118.7       1235@1400     266     125.4       1050@1400     229     108.0       1235@1400     223     124.0       1235@1400     263     124.0       1235@1400     263     1161.0		
1235@1400 266 125.4 1050@1400 229 108.0 1235@1400 263 124.0 1161@1400 248 117.1		
108:0 1235@1400 263 108:0 161@1400 248 117.1	071-0	
1235@1400 263 124:0 1161@1400 248 117:1		
1161@1400 248 117.1	251	
	733	