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 engines 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)					
2006	6JCBL04.40TC	4.399	Diesel	8000					
	FEATURES & EMISSION		TYPICAL EQUIPMENT APPLICATION						
Direct Dies	el Injection, Turbocharge	er, Smoke Puff Limiter	Crane, Loaders, Tractor, Dozer, Pump, Compresso Generator Set, 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	EMISSION			E	XHAUST (g/kW-		OPACITY (%)				
CLASS	STANDARD CATEGORY		нс	NOx	NMHC+NOx	со	PM	ACCEL	LUG	PEAK	
37 <u><</u> kW < 75	Tier 2 STD CERT		N/A	N/A	7.5	5.0	0.40	20	15	50	
					5.7	0.7	0.28	1	1	1	

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 supersedes Executive Order U-L-049-0003 dated December 15, 2005.

Executed at El Monte, California on this <u> $2/2^{2}$ </u> day of December 2005.

Rephail Sumowst

Allen Lyons, Chief Mobile Source Operations Division

Engine Model Summar[,] Form

JCB Power Systems New Submission A Engine Famly. 6JCBL04.40TC Nonroad Cl Ifr Family Name: JCB 444T igine category: rocess Code: anufacturer.

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9.Emission Control Device Per SAE J1930		TC, EM UUZ, GPC	TC. EM	TC, EM	TC, EM	
8.Fuel Rate: (lbs/hr)@peak torque		25.4 @ 1250	25.4 @ 1250	27.2 @ 1300	27.2 @ 1300	
7.Fuel Rate: mrn/stroke@peak torque		90 @ 1250	90 @ 1250	96 @ 1300	96 @ 1300	
6.Torque @ RPM (SEA Gross)		295 @ 1250	295 @ 1250	313 @ 1300	313 @ 1300	
5.Fuel Rate: (Ibs/hr) @ peak HP (for diesels only)		35.4 @ 2200	35.4 @ 2200	38.3 @ 2200	38.3 @ 2200	
4. Fuel Rate: mm/stroke @ peak HP (for diesei only)		74 @ 2200	74 @ 2200	80 @ 2200	80 @ 2200	
3.BHP@RPM (SAE Gross)	o management of the angle of the second s	92.0 @ 2200	92 N @ 2200	99.5 @ 2200	99.5 @ 2200	
2.Engine Model	50 State	T1	T1(G)	T2	T2(G)	
I.Engine Code	50 State	JCB 444	ICB 444	JCB 444	JCB 444	

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			- Pr Vire0 Vire0 Vire0 Vire0 Vire Vire Vire Vire Vire Vire Vire	a Ban yo maa ay waxaa a a ay waxaa ay a Bah yoo ahayo ahayo ahayo maa ay ahayo ahayo ahayo ahayo ahayo ahayo a						