California Environmental Protection Agency									
	IR 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 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) 8000		
2006	6JCBL.04.40NA	4.399	Diesel			
SPECIAL	FEATURES & EMISSION	CONTROL SYSTEMS	TYPICAL EQUIPMENT APPLICATION			
Direct Diesel Injection, Turbocharger, Smoke Puff Limiter			Crane, Loaders, Tractor, Dozer, Pump, Compressor, 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	EMISSION	EXHAUST (g/kW-hr)				OPACITY (%)				
POWER	STANDARD CATEGORY		нс	NOx	NMHC+NOx	со	PM	ACCEL	LUG	PEAK
37< kW < 75	Tier 2	STD	N/A	N/A	7.5	5.0	0.40	20	15	50
		CERT			6.5	1.1	0.30	2	2	2

**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 June 2005.

Allen Lygns, Chief

Mobile Source Operations Division

Engine Model Summary Form

DDT, EM,TC, Sru PDE, EM,T', SP B.Fuel Rate: 9.Emission Control (lbs/hr)@peak torque Device Per SAE J1930 U-R-049-0002 Attachment. 19.6 17.1 mm/stroke@peak torque 7.Fuel Rate: 65.5 6.Torque @ RPM (SEA Gross) 214 @ 1200 5.Fuel Rate: (Ibs/hr) @ peak HP (for diesels only) 28.7 mm/stroke @ peak HP (for diesel only) 4.Fuel Rate: 60.0 3.BHP@RPM (SAE Gross) 74 @ 2200 **JCB Power Systems** New Submission 2.Engine Model 6JCBL04.40NA 50 States Nonroad Cl **JCB 444N** ź 1.Engine Code EPA Engine Family. Mfr Family Name: Engine category: Process Code: 50 States JCB 444 Manufacturer: Ì

4

75.0

236 @ 1200

ł ł 32.2

67.3

84.5 @ 2200

N2 N2

JCB 444