KEM EQUIPMENT, INC.

EXECUTIVE ORDER U-L-013-0007 New Off-Road Large Spark-Ignition Engines At & Above 25 Horsepower

Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapters 1 and 2; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-02-003;

IT IS ORDERED AND RESOLVED: That the following new large spark-ignition engines and emission control systems produced by the manufacturer are certified for use in off-road equipment as described below. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	ENGINE FAMILY NAME	ENGINE DISPLACEMENT (liters)	FUEL TYPE	
2004	4KEMB04.3LSI	4.3	Gasoline, LPG, Gasoline-LPG Dual Fuel	
HOURS EMISSION		CIAL FEATURES & N CONTROL SYSTEMS	TYPICAL EQUIPMENT USAGE	
3500	Heat Thro	ay Catalytic Converter, ed Oxygen Sensor, ttle Body Injection	Forklift, Aerial Lift, Sweeper, Pump	
ENGINE MODEL: (rated pov in horsepow hp)	S ver	GM4.3GAS (103 hp), GM4.3LP (95 hp), GM4.3DF (103, 95 hp)		

The following are the hydrocarbon plus oxides of nitrogen (HC+NOx) and carbon monoxide (CO) exhaust certification emission standards (Title 13, California Code of Regulations, (13 CCR) Section 2433(b)(1)) and certification emission levels for this engine family in grams per brake horsepower-hour (g/bhp-hr). Engines within this engine family shall have closed crankcases in conformance with 13 CCR Section 2433(b)(2).

(g/bhp-hr)	HC+NO _X	СО
Standards	3.0	37.0
Certification Levels	2.0	13.9

BE IT FURTHER RESOLVED: That for the listed engines for the aforementioned model-year, the manufacturer has submitted, and the Executive Officer hereby approves, the information and materials to demonstrate certification compliance with 13 CCR Section 2433(c) (certification and test procedures), 13 CCR Section 2434 (emission control labels), and 13 CCR Sections 2435 and 2436 (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 August 2004.

Allen Lyons, Chief

Mobile Source Operations Division