IVECO N.V.

EXECUTIVE ORDER U-R-015-0082 New Off-Road Compression-Ignition Engines

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)			
2006	6VEXL04.5DNA	3.4, 4.5	Diesel	8000			
	FEATURES & EMISSION		TYPICAL EQUIPMENT APPLICATION				
	Direct Diesel Injec	ction	Loader, Tractor and 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 STANDARD CATEGORY			E	EXHAUST (g/kw-l	OPACITY (%)				
	POWER CLASS			HC	NOx	NMHC+NOx	co	PM	ACCEL	LUG	PEAK
Ī	37 ≤ kW < 75	Tier 2	STD	N/A	N/A	7.5	5.0	0.40	20	15	50
			CERT			6.8	3.8	0.37	10	13	17

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 December 2005.

Allen Lyons, Chief

Mobile Source Operations Division

Engine Model Summary Form ATTACHMENT PS (00)

IVECO SpA Manufacturer:

Engine category: Nonroad CI
EPA Engine Family: 6VEXL04.5DNA

Mfr Family Name: F4GE0404

New Submission Process Code:

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9.Emission Control Device Per SAE J1930	EM.	EW.	EW.	EW.	EM.	EM.	EW.	EM.	EM.
ite: 5.Fuel Rate: 7.Fuel Rate: 7.Fuel Rate: 9.Emission Control Only) (for diesels only) (SEA Gross) torque (Ibs/hr)@peak torque Device Per SAE J1930	A/N	N/A	A/A	A/N	N/A	A/A	N/A	N/A	ΥX
7.Fuel Rate: mm/stroke@peak torque	80	78	78	80	80	80	99	71	71
6. Torque @ RPM (SEA Gross)	242 @ 1400	236 @ 1400	236@ 1400	236 @ 1400	236 @ 1400	178 @ 1400	206@ 1400	218 @ 1400	166 @ 1400
5.Fuel Rate: (lbs/hr) @ peak HP (for diesels only)	A/A	N/A	N/A	A/A	ΑN	N/A	A/A	N/A	A/A
	29	09	09	92	92	98	53	28	58
3.BHP@RPM (SAE Gross)	80 @ 2200	80 @ 2500	80 @ 2500	80 @ 2300	80 @ 2300	63 @ 2300	71 @ 2500	71 @ 2300	55 @ 2300
4.Fuel R 3.BHP@RPM mm/stroke @ 1.Engine Code 2.Engine Model (SAE Gross) (for diesel	F4GE0404B*D	F4GE0404E*D	F4CE0404C*D	F4GE0404A*D	F4CE0404A*D	F4CE0304A*D	F4CE0404D*D	F4GE0404H*D	F4CE0304B*D
1. Engine Code	N/A	A/N	A/A	N/A	A/N	N/A	N/A	N/A	N/A