 <b>AIR RESOURCES BOARD</b>	IVECO N.V.	<b>EXECUTIVE ORDER U-R-015-0114</b>
		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)
2007	7VEXL10.3MLR	10.3	Diesel	8000
<b>SPECIAL FEATURES &amp; EMISSION CONTROL SYSTEMS</b>			<b>TYPICAL EQUIPMENT APPLICATION</b>	
Direct Diesel Injection, Turbocharger, Charge Air Cooler, Engine Control Module			Combine	

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):

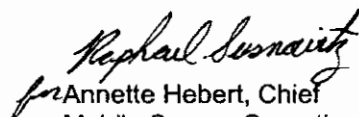
RATED POWER CLASS	EMISSION STANDARD CATEGORY		EXHAUST (g/kw-hr)					OPACITY (%)		
			HC	NOx	NMHC+NOx	CO	PM	ACCEL	LUG	PEAK
225 ≤ kW < 450	Tier 3	STD	N/A	N/A	4.0	3.5	0.20	20	15	50
		CERT	--	--	3.9	1.3	0.14	9	4	12

**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 26<sup>th</sup> day of December 2006.

  
 for Annette Hebert, Chief  
 Mobile Source Operations Division

# LARGE ENGINE MODEL SUMMARY

ATTACHMENT Pg 1 of 1

U-R-015-0114

Manufacturer: IVECO N. V.

Process Code: New Submission

EPA Engine Family: 7VEXL10.3MLR

NA

Manufacturer Family Name:

1.Engine Code	2.Engine Model	3.BHP@RPM (SAE Gross)	4.Fuel Rate: mm/stroke @ peak HP (for diesel only)	5.Fuel Rate: (lbs/hr) @ peak HP (for diesels only)	6.Torque @ RPM (SEA Gross)	7.Fuel Rate: mm/stroke@peak torque	8.Fuel Rate: (lbs/hr)@peak torque	9.Emission Control Device Per SAE J1930
F3AE9681A'E 151	F3AE9681	409 @ 2100	230	NA	1990 @ 1420	294	NA	DDI, TC, CAC, ECM
F3AE9681B'E 151	F3AE9681	375 @ 2100	209	NA	1846 @ 1420	271	NA	DDI, TC, CAC, ECM
F3AE9681C'E 151	F3AE9681	349 @ 1900	201	NA	1675 @ 1470	247	NA	DDI, TC, CAC, ECM
F3AE9681C'E 152	F3AE9681	349 @ 1900	201	NA	1675 @ 1470	247	NA	DDI, TC, CAC, ECM
F3AE9681D'E 152	F3AE9681	315 @ 2100	176	NA	1490 @ 1400	220	NA	DDI, TC, CAC, ECM
F3AE9681B'E 153	F3AE9681	375 @ 2100	209	NA	1846 @ 1420	271	NA	DDI, TC, CAC, ECM
F3AE9681C'E 153	F3AE9681	349 @ 1900	201	NA	1675 @ 1470	247	NA	DDI, TC, CAC, ECM
F3AE9681C'E 154	F3AE9681	349 @ 1900	201	NA	1675 @ 1470	247	NA	DDI, TC, CAC, ECM
F3AE9681D'E 154	F3AE9681	315 @ 2100	176	NA	1490 @ 1400	220	NA	DDI, TC, CAC, ECM