

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

IVECO N.V.

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)
2009	9VEXL03.2TAI	3.2	Diesel	8000
	FEATURES & EMISSION		TYPICAL EQUIPMENT A	PPLICATION
Direct Dies Smoke	el Injection, Turbocharg Puff Limiter and Exhaust	er, Charge Air Cooler, t Gas Recirculation	Loader, Tractor, Dozer and	d Generator Set

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			E	XHAUST (g/kw-l	nr)		OF	PACITY (%	6)
POWER CLASS	STANDARD CATEGORY		нс	NOx	NMHC+NOx	СО	PM	ACCEL	LUG	PEAK
37 <u><</u> kW < 75	Interim Tier 4	OPTIONAL STD	N/A	N/A	4.7	5.0	0.30	20	15	50
		CERT			4.0	1.4	0.22	14	7	17

BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has complied with the more stringent set of standards from the various power categories in conformance with Section 1039.230 (e) of the "California Exhaust Emission Standards and Test Procedures for 2008 and Later Tier 4 Off-Road Compression-Ignition Engines, Part I-C" adopted October 20, 2005.

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 March 2009.

Annette Hebert, Chief

Mobile Source Operations Division

MACHATEST 199 15+1 Engine Model Summary Template

U-R-015-0150

n enison	1 Engine	Example 1 Engine Code 2 Engine Model	3.BHP@RPM	4.Fuel Rate: mm/stroke @ peak HP	5.Fuel Rate: (lbs/hr) @ peak HP	6.Torque @ RPM	7.Fuel Rate: mm/stroke@peak forque	8.Fuel Rate: 9.Emission Control (lbs/hr)@peak torqueDevice Per SAE J1930	9.Emission Control Device Per SAE J1930	
GVEXL03.2TAI	N/A	F5AE9484G*A 87 @ 2300	87 @ 2300	99	N/A	256 @ 1380	83.4	N/A XX	N/A XXX, EM. SPL. TAA EGIR	岩
9VEXL03,2TAI	A/N	F5AE9484 A *A	64 @ 2300	50	A/N	214 @ 1250	68.7	N/A	EM. SPL. TAA	_
9VEXL03.2TAI	N/A	F5AE9484B*A	76 @ 2300	09	N/A	243 @ 1250	77	N/A	EM. SPL. TAA	- Land
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9VEXL03.2TAI	NA	F5CE9484B*A	76 @ 2300	09	N/A	243 @ 1250	77	N/A	EM.SPL.TAA	The state of the s
9VEXL03.2TAI	N/A	F5AE9484H*A	59 @ 2500	44	N/A	159 @ 1250	51	N/A	EM.SPL.TAA	1
9VEXL03.2TAI	A/N	F5AE9484M*A	71 @ 2500	20	N/A	206 @ 1250	. 64	N/A	EM.SPL.TAA	Military
9VEXL03.2TAI	N/A	F5AE9484L*A	80 @ 2500	09	N/A	242 @ 1250	75	N/A	EM.SPL.TAA	
9VEXL03,2TAI	NA	F5CE9484G*A	87 @ 2300	99	N/A	256 @ 1300	85	N/A	EM.SPL.TAA	la reaccept de la se
9VEXL03.2TAI	N/A	F5CE9484E*A	88 @ 2500	09	A/A	237 @ 1380	83	A/N	EM.SPL.TAA	
9VEXL03.2TAI	N/A	F5CE9485B*A	79 @ 1800	77	N/A	244 @ 1800	. 71	N/A V	EM.SPL.TAA V	_