LOMBARDINI MOTORI S.R.L.

EXECUTIVE ORDER U-R-027-0092 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 engines and emission control systems 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)
2008	8LBDL1.8711L	1.87	Diesel	5000
	FEATURES & EMISSION		TYPICAL EQUIPMENT	
Direct I	Diesel Injection, Electron	nic Control Module	Pump, Compressor, Loader, Oth	er 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			E	XHAUST (g/kw-l	nr)		OF	PACITY (%	6)
POWER CLASS	STANDARD CATEGORY		нс	NOx	NMHC+NOx	co	PM	ACCEL	LUG	PEAK
19 ≤ kW < 37	Tier 4 Interim	STD	N/A	N/A	7.5	5.5	0.30	20	15	50
		CERT			7.0	3.9	0.22	2 ,	3	3

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 February 2008.

Annette Hebert, Chief

Mobile Source Operations Division

Engine Model Summary Template

Attachment, 1 of 2

U-R-027-0092

	Ζđ)
8.Fuel Rate: 9.Emission Control (bs/hr)@peak torqueDevice Per SAE J1930	\mathcal{I} DD \mathcal{I}	ECM	ECM
8.Fuel Rate: (lbs/hr)@peak torque	8.77	8.77	8.64
7.Fuel Rate: mm/stroke@peak torque	33.0	33.0	32.5
6.Torque @ RPM (SEA Gross)	73.8@1600	73.8@1600	72.3@1600
5.Fuel Rate: (lbs/hr) @ peak HP (for diesels only)	13.62	15.21	12.37
4.Fuel Rate: 5.Fuel Rate: mm/stroke @ peak HP (lbs/hr) @ peak HP (for diesel only) (for diesels only)	31.5	30.5	31.0
3.BHP@RPM (SAE Gross)	32.9@2600	34.9@3000	30.2@2400
Engine Family 1.Engine Code 2.Engine Model	11LD625/11LD	11LD625/11LD 34.9@3000	11LD625/11LD
1.Engine Code	основносности уруженносту «префсуру» (де Мука дай уливания изменя		
Engine Family	8LBDL1.8711L 11LD625/11LD 32.9@2600	8LBDL1.8711L 11LD625/11LD 34.9@3000	8LBDL1.8711L

				Engine Model Summary Template	ummary Te	mplate				
				Attachmont	t, 2 of 2	77		U-R-0	U-R-027-0092	- 1
Engine Family	Engine Family 1.Engine Code	2.Engine Model	3.BHP@RPM (SAE Gross)	4.Fuel Rate: 5.Fuel Rate: mn/stroke @ peak HP (bs/hr) @ peak HP (for diesel only) (for diesels only)	5.Fuel Rate: (tbs/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	8. Fuel Rate: 9. Emission Control (lbs/hr)@peak torqueDevice Per SAE J1930	30
8LBDL1.8711L		KD 625-3 or KD 626-3	32.9@2600	31.5	13.62	73.8@1600	33.0	7.78	ECM	704 -
8LBDL1.8711L	PROTECTION OF THE PROPERTY AND ADDRESS OF THE PROTECTION OF THE PROPERTY OF TH	KD 625-3 or KD 626-3	34.9@3000	30.5	15.21	73.8@1600	33.0	8.77	ECM	The state of the s
8LBDL1.8711L		KD 625-3 or KD 626-3	30.2@2400	31.0	12.37	72.3@1600	32.5	8.64	ECM	- 100 may 100
K () Addid almost him addo made monotoni monotoni vortito.	Anisa va cara v	-Middle-dayd-Mad (Made to the Middle-day against ann ann ann ann ann ann ann ann ann an	T. L. C.	N. AND WARRY OF THE PARTY OF TH	WITH WHITE PRESCRIPTION CONTRACTOR AND				de l'imparte authorite son est	-PERS NAME III AND AUTOMOTION