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 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)
2008	8JCGL.598J1N	0.598	Diesel	3000
	FEATURES & EMISSION			
	Indirect Diesel Inje	ection	Generator S	et

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	EMISSION				EXHAUST (g/kW	-hr)		OF	PACITY (%	6)
CLASS	STANDARD CATEGORY		нс	NOx	NMHC+NOx	со	РМ	ACCEL	LUG	PEAK
kW < 8	Tier 4	STD	N/A	N/A	7.5	8.0	0.40	N/A	N/A	N/A
		CERT			6.5	2.1	0.21			

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 $-\frac{18^{H_{ex}}}{18^{H_{ex}}}$ day of April 2008.

C Annette Hebert, Chief Mobile Source Operations Division

Engine Model Summary Template Attachment, Page 2 of 2

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				4.Fuel Rate:	5.Fuel Rate:		7.Fuel Rate:			
	•		3.BHP@RPM	3.BHP@RPM mm/stroke @ peak HP (lbs/hr) @ peak HP 6.Torque @ RPM mm/stroke@peak	(lbs/hr) @ peak HP	6. Torque @ RPM	mm/stroke@peak	8.Fuel Rate:	9. Emission Control	
Engine Family	1.Engine Code	Engine Family 1. Engine Code 2. Engine Model (SAE Gross) (for diesel c	(SAE Gross)	(for diesel only)	only) (for diesels only) (SEA Gross)	(SEA Gross)	torque	(lbs/hr)@peak torque	(lbs/hr)@peak torqueDevice Per SAE J1930	
8JCGL.598J1N	-	CF192A	8.05@1800) 34.310	3.439	23.479@1800	34.310	3.439	IDI	
	nanovenska kalenda je na je	minis - C m VII have made and a ministration of the community of community which instance is not a ministration		a sub-	no de la marcia de las este en una constante de la desta de la desta de la marcia de la constante de la de	no alto to the loss of Advantation of Advance of the a state of the state of the statement of the statement of	NORMAL IN A NORMAL PROPERTY OF THE ALL AND A STREAM AND A NORMAL PROPERTY OF A NORMAL AND A NORMAL PROPERTY OF A NORMAL	THE THE PART IN A MAILER AND A SUCCESSION AND A MAILER AND	a for the for the and the for the for the formation of the formation of the formation of the manufacture of the	We write on a subley provide a second more particulation of the second se