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			FUEL TYPE	USEFUL LIFE (hours)		
2004	4YDXL1.11U3N	1.116	Diesel	3000		
SPECIAL FEATURES & EMISSION CONTROL SYSTEMS			TYPICAL EQUIPMENT APPLICATION			
Indirect Diesel Injection			Generator Set			

The engine models and codes are attached.

The following are the exhaust certification standards (STD) and certification levels (CERT) for hydrocarbons (HC), oxides of nitrogen (NOx), or non-methane hydrocarbons 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)				OPACITY (%)			
CLASS	STANDARD CATEGORY		НС	NOx	NMHC+NOx	со	PM	ACCEL	LUG	PEAK
8 ≤kW < 19	Tier 1	STD	N/A	N/A	9.5	6.6	0.80	N/A	N/A	N/A
		CERT			5.9	0.8	0.28			

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 May 2004.

Allen Lyons, Chief Mobile Source Operations Division

Engine Model Summary Form

£100-8-03.17 ATACHMENT

Manufacturer: Yanmar Co.,Ltd. Engine category: Nonroad Cl EPA Engine Famly: 4YDXL1.11U3N Mfr Family Name: N/A Process Code: New Submission

	R		
8.Fuel Rale: 9.Emission Control (bs/hr)@peak torque Device Per SAE J1930	EN ID	EM -	
8.Fuel Rate; (lbs/hr)@peak torque	NA	N/A	
7.Fuel Rate: mm/stroke@peak torque	NA -	N/A	NA
6.Torque @ RPM (SEA Gross)	NA	N/A	AN A
5.Fuel Rate: (lbs/hr) @ peak HP (for diesels only)	6.5	6.0	0.0
4.Fuel Rate: mm/stroke @ peak HP (for diesel only)	11.8 kw 22.0	14.9/1800 יו.ו 👡 20.3	20.3
3.BHP@RPM (SAE Gross)	15.8/1800	14.9/1800	14.9/1800
1.Engine Code 2.Engine Model	3TNV76-CL 15.8/1800 16 4 4 22.0	3TNV76-G	N/A
1.Engine Code	ŇÅ	N/A	NA