EXECUTIVE ORDER U-R-028-0290 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)					
2006	6YDXL1.33K3N	1.331	Diesel	3000					
	FEATURES & EMISSION		TYPICAL EQUIPMENT APPLICATION						
	Direct Diesel Inje	ction	Crane, Loader, Tractor, Dozer, Pump, Compressor, Excavator						

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 CLASS	EMISSION			E	XHAUST (g/kw-l	OPACITY (%)				
	STANDARD CATEGORY		НС	NOx	имнс+иох	co	PM	ACCEL	LUG	PEAK
8≤ kW < 19	Tier 2	STD	N/A	N/A	7.5	6.6	0.80	20	15	50
		CERT			5.7	3.1	0.26	3	4	4

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 December 2005.

Allen Lyons, Chief

Mobile Source Operations Division

Engine Model ? nmary Form

Manufacturer: Yanmar Co., Ltd.

Engine category: Nonroad Cl
EPA Engine Family: 6YDXL1.33K3N

Mfr Family Name: N/A

Process Code: New Submission

V-K-028-0290 ATTACHMENT, plof/

9.Emist Device P		MIN.	は、直接直接を打ちには、一般の		ШM		NU V					2 III	は 日本の	
8.Fuel Rate: (lbs/hr)@peak torque	(3)6)	5.7	网络拉拉拉拉拉拉拉拉拉拉拉拉拉拉拉拉拉拉拉拉拉拉拉拉拉拉拉拉拉拉拉拉拉拉拉拉	o (c)	5.5			4,3		5.7	96	n n	多种的种种的是一种种的种种种种种种种种种种种种种种种种种种种种种种种种种种种种种	
7.Fuel Rate: mm/stroke@peak torque	34(6)	28.6	 	250個の場合	27.8	131136		27.3	27.7	28.6	28.0	0.10	2/10 Personal April 2015	
6.Torque @ RPM (SEA Gross)	# 67.8/12002 vs	86.0/1200	Commence of the Property of the Party of the	(42,50/1/2/8)	63,1/1200	Sea Chalana	1000円では、1000円	59,5/1000	62,774000	66,0/1200	64,971,200		63.1/12UU	
5.Fuel Rate: (lbs/hr) @ peak HP (for diesels only)	101		TO 1	0.77	9.2	高温度がある。 は 日本	言語は過ぎなる。	8.5	1.87	10.1	10000000000000000000000000000000000000		9.2	k
4.Fuel Rate: mm/stroke @ peak HP (for diesel only)	A & Co. 1 74.15 Personal	u To	24.0	74.4	24.3	理で見るという。というないのでは		24.6	2318	24.5	24.4		24.3	
3.BHP@RPM (SAE Gross)	STORES OF STREET		0002/6.62	24,3/24100	23,2/2300	40 1 1000	27 17200	21.2/2100	20.1/2000	25.3/2500	- DANGIA	77 T T T T T T T T T T T T T T T T T T	23.2/2300	
2.Engine Model			3TNV82A-N	STINVERALE	ATNIVB2A-O	TOO AND TO SEE THE PERSON OF T	STANNES OF	3TNV82A-V	** STNV82A*W	3D82AF-5N	STOOME RD	SUSCEEDING	3D82AE-5Q	
1.Engine Code		T CZ	N/A	NA			NA	N/A	A(N		「日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日	NA	N/A	