

## MOTORENFABRIK HATZ

EXECUTIVE ORDER U-R-034-0189 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)
2009	9HZXL.462C40	0.462	Diesel	3000
valuable many and are seen	FEATURES & EMISSION	CONTROL SYSTEMS	TYPICAL EQUIPMENT A	APPLICATION
	Direct Diesel Injec	ction	Pump, Generat	or 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	EXHAUST (g/kw-h	nr)	227	OF	PACITY (%	6)
POWER	CATEGORY		НС	NOx	NMHC+NOx	co	PM	ACCEL	LUG	PEAK
kW < 8	Tier 4	STD	N/A	N/A	7.5	8.0	0.80	N/A	N/A	N/A
		CERT		377	6.3	5.4	0.42			22

BE IT FURTHER RESOLVED: That certification to the standards in 13 CCR 2423(b)(1)(A) -Table 1b listed above has been permitted pursuant to Endnote 2 of the same table.

**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 2008.

Annette Hebert, Chief

Mobile Source Operations Division

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Attachment

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	lodel Sun
	Engine N
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	Code 2 Brillio Medel	2 Engine Medel	Janagara GAZCANA	MANAGE & PARTY OF CHESTORY	Chino of peach	STORES OFFE	And Doe Cota	dariogpen bige	BANKERS DEBRICATION OF THE CONTROL CONTROL CONTROL CARCOLOGICA CON
AC . 47.1.41	N/A	19-40 Yourshar	20,8@3600	24	4,8	14.3 @0600	24	4.8	DDI
	the second	1540 TAINN	9.7 @0550	Z	7. 4	14,5@9550	24	4.7	-
	600	1840 You high	9,7@3500	Z,	4,7	14.5 @9500	24	4.7	7
	200	1940 TAINNE	0.0000000	艾	8.6	14,7 (80460	7.	6.4	
	1 2	WANTED TOWN	0,8 (80,400	74	8.8	14.0 @0400	25	6.4	
	76/11	1940 TAINING	0.080000	24	40	15,0 (303)60	Z	0	
	16.4	19-81 1717/Jun	0,580000	24.5	6,4	15,2@0000	24,5	4.5	
10000	4.74	TIND ENDONE	0.480250	24,6	4.4	15,3 g02550	24.5	7.4	
4	2004	19-to Deliverite	9,489200	24.5	4.4	15.5 (80200	26.00	4.4	
7.4	A16.0	HIST TAINING	9,3(80150	24.6	6,4	15.6@0150	24.5	4.3	
100	7.52	WANTAUM CENT	9.2@0100	24.5	4	15,7 @0 t00	200	45	
	1 2	10-80 T/UAU/M	9.2(80060	24.5	5.4	15.9 @0050	204.5	4.2	
10.10	16-44	TIPAD ENVIRON	000(81.6	n	2.6	thirt globbic	11	7.7	
4	15-22	TJAAC TZUNANIE	0.0 @ 2050	20	1.4	10.1 (\$2950	8	4	20
B-1-7	10.00	1540 T/UNUSE	0.0000000	8	40	16.3 (\$2900	8	4.0	-
1	100.00	Mental Creation	OGRABIO R	2	40	10,4@2860	8	4.0	
100	10.70	Disky Lyberth.	8.8402800	8	3.0	19,5 (\$2800)	2	3.8	
Car 30	TAT.	HINE TAYANS	8.7 @2750	£	数円	16,7@2750	R	3.8	
	14.00	1940 LODGE	8,8482700	R	3.8	16,8@2700	R	3.8	_
:	P.17.W	1940 SAVANS	0.500000	8	3.7	16.9@0850	N	2.2	
	1978	1940 T.Uloke	9,482500	12	0,0	17,000,000	n	3.6	-
	AVA	18-83 T/U/MW	8.3/80550	N	3.6	17.180850	ĸ	3.6	
	11/14	Applications	9.182500	8	6.0	17,2 (82500)	10	3.5	
	14.9	184) INVSe	8.0(82/450	10	3.4	17.3 @2460	20	3.4	-
	6.20	1843 TAUNAN	7.082400	2	23	17,482,400	2	3,3	
	None	then Ludder	7,882350	R	3,3	17,4@2360	Ą	3.3	
•	41.4	TRAD TRADE	7.6@0300	53	3,2	17.5@2300	£	3.2	
	4/4	840 TAINNE	7.5@2250	26	3.4	17.5@2250	18	3,1	ş
		TOWN TALABA	7.3492200	52	3.5	17.5 (02200)	R	3,1	-

U-R-634-0187

Attachment

N 1 <. Engine Model Summary Template Return to Template Nouroad CI