VANAIR MANUFACTURING INC.

EXECUTIVE ORDER U-U-219-0014
New Off-Road Small Spark-Ignition
Equipment

Pursuant to the authority vested in California Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapters 1 and 2; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-14-012;

IT IS ORDERED AND RESOLVED: That the following equipment produced by the manufacturer is certified as described below. Production equipment shall be in all material respects the same as those for which certification is granted.

		ENGINE DES	SCRIPTION									
	MANUFACTURER	ENGINE FAMILY (I	E.O. NUMBER)	ENGINE SIZE (cc)	FUEL TYPE (CNG/LNG=compressed/liquefied natural gas LPG=liquefied petroleum gas)							
	Kohler Company	JKHXS.7472PF (L JKHXS.7252GC (L JKHXS.6742GC (L	J-U-005-0567)	747 725 674	Gasoline							
S.A. = See Attachment TBC = To Be Certified EQUIPMENT DESCRIPTION												
MODEL YEAR	EVAPORATIVE FAMILY	FUEL TANK SIZE (liters)		EQUIPMENT APPLICATION								
2018	CPVIPER	16.7, 20.4		Compressor, Generator Set								
EMISSIO	N CONTROL SYSTEMS (ECS)	ENGINE and/or EQUIPMENT MODEL										
	СР		See Attachment									
Metal=M T	PE (Venting Control Type/Tank Barrier Ty reated HDPE or PE=P Co-extruded=C Ser Codes = M, P, C, L, N, A, O). <u>Note</u> : Al	Selar=L Nylon=N Acetal=A Othe	er=0 B. EVAPORATI	VE FAMILY 2-Letter C	ODE (Venting Control Codes = C, S, O);							

The following are the evaporative emission standards (Title 13, California Code of Regulations, 13 CCR Section 2754(a) or 2754(b), as applicable), and certification levels in grams per day (g/day) or grams per square meter per day (g/m²/day) or grams per liter (g/l) for this evaporative family or the component Executive Order, as applicable.

*=not applicable DESIGN BASED										
	OSE PERMEATION ams ROG/m²/day)		ANK PERMEATION ams ROG/m²/day)	CARBON CANISTER BUTANE WORKING CAPACITY (grams HC/liter)						
STANDARD	CERTIFICATION LEVEL OR EXECUTIVE ORDER	STANDARD	CERTIFICATION LEVEL OR EXECUTIVE ORDER	STANDARD	CERTIFICATION LEVEL OR EXECUTIVE ORDER					
15	C-U-06-010, C-U-06-011	*	C-U-06-014, Q-13-002	1.4	Q-11-004, Q-09-021					

BE IT FURTHER RESOLVED: That the listed equipment is in conformance with the evaporative emission requirements specified in 13 CCR Section 2766(b) (small production volume tank exemption).

BE IT FURTHER RESOLVED: That for the listed equipment, the manufacturer has submitted, and the Executive Officer hereby approves, the information and materials to demonstrate certification compliance with 13 CCR Section 2759 (labeling) and 13 CCR Sections 2760 and 2764 (emission control system warranty).

Equipment 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. Equipment in this family that is produced for any other model-year is not covered by this Executive Order.

Executed at El Monte, California on this _____ day of February 2018.

Annette Hebert, Chief

Emissions Compliance, Automotive Regulations and Science Division



Small Off-Road Evaporative Certification Database Form (Supplementary Information)

MODEL SUMMARY

S1.	S2.		S3.		S4.	S5.	S6.		S7.	S8.	S9.	S10.	SII.	S12.	S13.	S14.
Worst Case (Check One)	Engine or Equipment Model	Sales Codes (check all appropriate)		Engine Class (I or II)	Fuel System (FI or CARB)	Fuel Tank Vol. (Liters)		Fuel Tank Internal Surface	Fuel Line Type	Nominal Fuel Line Length ⁽¹⁾	Fuel Line Inside Diameter	Exhaust Family	Fuel Tank Executive Order	Fuel Line Executive Order	Carbon Canister or Other Venting	
		CA Only	49- State	50- State			Total	Nominal	Area (m²)		(mm)	(mm)				Control Executive Order
	VIPER	X	X			FI	18.9	16.7	0.43	SAE 30R9	915	6	JKHXS. 7472PF	C-U-06-014	C-U-06- 011	Q-11-004
	05-100	X	X		11	CARB	22.7	20.4	0.48	SAE 30R9	1800	6	JKHXS. 7252GD	Q-13-002	C-U-06- 010	Q-09-021
	02-100	Х	X		II	CARB	22.7	20.4	0.48	SAE 30R9	1800	6	JKHXS. 7252GD	Q-13-002	C-U-06- 010	Q-09-021
	11-920 /923	X	X		11	CARB	22.7	20.4	0.48	SAE 30R9	1800	6	JKHXS. 6742GC	Q-13-002	C-U-06- 010	Q-09-021
	11-920ACE -922E	X	X		11	CARB	22.7	20.4	0.48	SAE 30R9	1800	6	JKHXS. 7252GD	Q-13-002	C-U-06- 010	Q-09-021
	01-150	Х	X		£1	CARB	18.9	16.7	0.43	SAE 30R9	3000	6	JKHXS. 7252GD	C-U-06-014	C-U-06- 010	Q-09-021
	11-921E -923-E-S1 -923ACE	X	X		1	CARB	22.7	20.4	0.48	SAE 30R9	1800	6	JKHXS. 7252GD	Q-13-002	C-U-06- 010	Q-09-021

⁽¹⁾ The nominal fuel line lengths can be grouped into increment of 3 inches (76 mm)