STANDARD TECHNOLOGIES

EXECUTIVE ORDER U-U-148-0032 New Off-Road Small Spark-Ignition Equipment

Pursuant to the authority vested in the 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 D	ESCRIPTION							
	MANUFACTURER	ENGINE FAMIL	_Y (E.O. NUMBER)	ENGINE SIZE (cc)	FUEL TYPE (CNG/LNG=compressed/liquefied natural gas LPG=liquefied petroleum gas)					
CUM	MMINS POWER GENERATION	GN5XS.3042C	C (U-U-008-0269)	304	Gasoline					
TBC = To E	Be Certified	EQUIPMENT	DESCRIPTION	1						
MODEL YEAR	EVAPORATIVE FAMILY	FUEL TANK SIZE (liters)		EQUIPMENT APPLICATION						
2016	CM1034P	See Attachment	Generator Set with Refueling Pump							
EMISSIO	N CONTROL SYSTEMS (ECS)	ENGINE and/or EQUIPMENT MODEL								
	Canister / Metal	See Attachment								
Metal≂M Ti	reated HDPE or PE=P_Co-extruded=C_S	Selar=L Nylon=N Acetal=A C	Other=O B. EVAPORATIVE	FAMILY 2-Lette	other=O 2. <u>Tank Barrier Type and Code</u> :- or CODE (Venting Control Codes =C, S, O); Do not use abbreviations for ECS types.					

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. The running loss emissions control has been demonstrated by the manufacturer.

*=not applicable	PERFORMANCE BASED (grams HC/day)								
STANDARD	EVAPORATIVE FAMILY EMISSION LIMIT DIFFERENTIAL (EFELD)	EVAPORATIVE MODEL EMISSION LIMIT (EMEL)	CERTIFICATION LEVEL						
1.20 + 0.056*Tank Vol. (L)	*	*	2.8						

BE IT FURTHER RESOLVED: That the evaporative model emission limit (EMEL), as applicable, is the diurnal emissions level declared by the manufacturer based on diurnal test results for a worst-case engine or equipment model within an evaporative family. No engine or equipment emissions within the evaporative family could be closer to its respective standard than the evaporative family emission limit differential (EFELD) calculated from the declared EMEL for the worst-case engine or equipment.

BE IT FURTHER RESOLVED: That the evaporative family emission limit differential (EFELD), as applicable, is an emission level differential between the effective standard level for a specific model representing the entire evaporative family and the EMEL declared for the specific model and it's for use in the averaging and banking program. It serves as the applicable evaporative emission standard for determining compliance on a corporate average basis of any equipment within this evaporative family under 13 CCR Sections 2754.1(e).

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 November 2015.

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

MODEL SUMMARY

S1.	S2.		S3.		S4.	S5.	S6.		S7.	S8.	S9.	S10.	S11.	S12.	S13.	S14.
Wors Case (Chec	Equipment		Codes (appropri	*	Engine Class (I or II)	Fuel System (FI or CARB)		ank Vol.	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
		Only	State	State			Total	Nominal	Area (m²)		(mm)	(mm)				Control Executive Order
	ST10P	-		х	II	CARB	38.47	34.62	0.826	Multi Layer	10668	6.35	GN5XS.3042CC	Exempt	G-05-018 C-U-07-019 Q-09-022 Q-09-019A	Q-07-016 Q-07-015B Q-07-014 Q-07-013A
	ST11P			х	II	CARB	76.96	69.26	1.376	Multi Layer	10668	6.35	GN5XS.3042CC	Exempt	G-05-018 C-U-07-019 Q-09-022 Q-09-019A	Q-07-016 Q-07-015B
	ST12P			х	II	CARB	37.85	35.95	.7525	Multi Layer	10668	6.35	GN5XS.3042CC	Exempt	G-05-018 C-U-07-019 Q-09-022 Q-09-019A	Q-07-016 Q-07-015B Q-07-014 Q-07-013A
	ST13P			х	II	CARB	73.48	66.13	0.871	Multi Layer	10668	6.35	GN5XS.3042CC	Exempt	G-05-018 C-U-07-019 Q-09-022 Q-09-019A	Q-07-016 Q-07-015B
	ST14P			х	II	CARB	52.99	50.34	.873	Multi Layer	10668	6.35	GN5XS.3042CC	Exempt	G-05-018 C-U-07-019 Q-09-022 Q-09-019A	Q-07-016 Q-07-015B Q-07-014 Q-07-013A
	ST15P			х	II	CARB	68.13	64.72	1.449	Multi Layer	10668	6.35	GN5XS.3042CC	Exempt	G-05-018 C-U-07-019 Q-09-022 Q-09-019A	Q-07-016 Q-07-015B
	ST16P			Х	II	CARB	113.56	107.88	1.978	Multi Layer	10668	6.35	GN5XS.3042CC	Exempt	G-05-018 C-U-07-019 Q-09-022 Q-09-019A	Q-07-016
	ST17P			Х	H	CARB	113.56	107.88	1.978	Multi Layer	10668	6.35	GN5XS.3042CC	Exempt	G-05-018 C-U-07-019 Q-09-022 Q-09-019A	Q-07-016

	ST18P		х	II	CARB	152.28	137.05	2.470	Multi Layer	10668	6.35	GN5XS.3042CC	Exempt	G-05-018 C-U-07-019 Q-09-022 Q-09-019A	Q-07-016 Q-07-017
	ST19P		х	II	CARB	75.70	71.92	1.477	Multi Layer	10668	6.35	GN5XS.3042CC	Exempt	G-05-018 C-U-07-019 Q-09-022 Q-09-019A	Q-07-016 Q-07-015B
	ST20P		х	II	CARB	98.42	93.50	1.811	Multi Layer	10668	6.35	GN5XS.3042CC	Exempt	G-05-018 C-U-07-019 Q-09-022 Q-09-019A	Q-07-016
	ST21P		х	II	CARB	113.56	107.88	1.978	Multi Layer	10668	6.35	GN5XS.3042CC	Exempt	G-05-018 C-U-07-019 Q-09-022 Q-09-019A	Q-07-016
х	ST22P		х	II	CARB	113.56	107.88	2.480	Multi Layer	10668	6.35	GN5XS.3042CC	Exempt	G-05-018 C-U-07-019 Q-09-022 Q-09-019A	Q-07-016
	ST24P		Х	II	CARB	90.8498	86.31	1.755	Multi Layer	10668	6.35	GN5XS.3042CC	Exempt	G-05-018 C-U-07-019 Q-09-022 Q-09-019A	Q-07-016 Q-07-015B

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