STANDARD TECHNOLOGIES

EXECUTIVE ORDER U-U-148-0009
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-02-003:

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	DESCRIPTION			
	MANUFACTURER	ENGINE FAMILY (E.O. NUMBER) ENGINE SIZE (cc)			FUEL TYPE (CNG/LNG=compressed/liquefied natural gas LPG=liquefied petroleu gas)	
CUM	MINS POWER GENERATION	9N5XS.6532	GG (U-U-008-0183) 2GI (U-U-008-0184) GG (U-U-008-0181)	653 653 304	Gasoline	
	Attachment					
	e Certified		IT DESCRIPTION			
MODEL YEAR	EVAPORATIVE FAMILY	EQUIPMEN FUEL TANK SIZE (liters)		QUIPMENT A	PPLICATION	
MODEL		FUEL TANK SIZE		QUIPMENT A		
MODEL YEAR 2009	EVAPORATIVE FAMILY	FUEL TANK SIZE (liters)		Generat	or Set	

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	DESIGN BASED						
FUEL HOSE PERMEATION (grams ROG/m²/day)			ANK PERMEATION ams ROG/m²/day)	CARBON CANISTER BUTANE WORKING CAPACITY (grams HC/liter)			
STANDARD	STANDARD CERTIFICATION LEVEL OR EXECUTIVE ORDER		CERTIFICATION LEVEL OR EXECUTIVE ORDER	STANDARD	CERTIFICATION LEVEL OR EXECUTIVE ORDER		
15	G-05-018	2.5	. *	1.4	Q-07-016		

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 ____30 TH day of December 2008.

Annette Hebert, Chief C

Mobile Source Operations Division

M-M-148-0009

Attachment 1 of 2

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

MODEL SUMMARY

S14.	Carbon Canister or Other	Venting Control Executive Order	Q-07- 016							
S13.	Fuel Line Executive Order		G-05-018							
\$12.	Fuel Tank Executive	Order	Exempt							
S11.	Exhaust Family		9N5XS.6532GG 9N5XS.6532GI 9N5XS.3042GG							
S10.	Fuel Line Inside	Diameter (mm)	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35
.6S	Nominal Fuel Line	Length (mm)	10668	10668	89901	89901	10668	10668	10668	10668
S8	Fuel Line Type		Multi Layer							
S7.	Fuel Tank Internal	Surface Area (m²)	.8732	1.4492	1.9788	1.9788	1.4771	1.8116	1.9788	2.4805
S6.	Fuel Tank Vol. (Liters)	Nominal	50.34	64.72	107.88	107.88	71.92	93.50	107.88	107.88
S	Fuel Ta	Total	52.99	68.13	113.56	113.56	75.70	98.42	113.56	113.56
S5.	Fuel System (FI or	CARB)	CARB							
S4.	Engine Class (I or	(11)	=	: :	II	ш	Е	II	II	=
	check ate)	50- State	×	×	×.	×	×	×	×	×
S3.	Sales Codes (check all appropriate)	49- State							-	
	Sales all a	CA								
S2.	Engine or Equipment Model		ST14	ST15	STI6	ST17	ST19	ST20	ST21	ST22
S1.	Worst Case (Check	One)			,	-				×

Attachment 2 of 2

6000-841-N-M

Q-07- 016	
G-05-018	
Exempt	
9N5XS.6532GG 9N5XS.6532GI 9N5XS.3042GG	
6.35	
10668	
Multi Layer	
1.7558	
86.31	
90.8498	
CARB	
II	
×	
ST24	

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