

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 petroleum gas)
Kawasaki Heavy Industries, LTD.	See Attachment A	See Attachment A	Gasoline
Briggs & Stratton Corporation	See Attachment A	See Attachment A	
Kohler Company	See Attachment A	See Attachment A	
* TBC = To Be Certified			
EQUIPMENT DESCRIPTION			
MODEL YEAR	EVAPORATIVE FAMILY	FUEL TANK SIZE (liters)	EQUIPMENT APPLICATION
2013	CC1	See Attachment B	Tractor, Utility Vehicle, Commercial Turf, Bunker Rake
EMISSION CONTROL SYSTEMS (ECS)		ENGINE and/or EQUIPMENT MODEL	
Canister/Co-extruded		See Attachment B	
<small>A. ECS TYPE (Venting Control Type/Tank Barrier Type): 1. Venting Control Type and Code: Canister=C Sealed Tank=S Other=O 2. Tank Barrier Type and Code: Metal=M Treated HDPE or PE=P Co-extruded=C Selar=L Nylon=N Acetal=A Other=O B. EVAPORATIVE FAMILY 2-Letter CODE (Venting Control Codes =C, S, O); (Tank Barrier Codes = M, P, C, L, N, A, O). Note: Always list venting control type or code first before tank barrier type or code. Do not use abbreviations for ECS types.</small>			

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.

DESIGN BASED					
FUEL HOSE PERMEATION (grams ROG/m ² /day)		FUEL TANK PERMEATION (grams ROG/m ² /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-05-002, C-U-05-013, C-U-06-030, G-05-016, Q-08-013, G-05-017A, G-05-018	1.5	*	1.4	C-U-06-015, C-U-07-010, Q-09-027

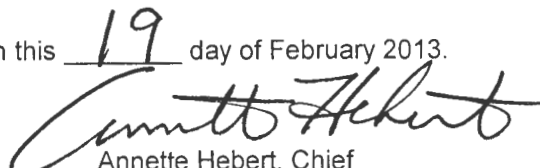
BE IT FURTHER RESOLVED: That for the listed equipment, the manufacturer has submitted, and the Executive Officer hereby approves, the information and materials to demonstrate certification compliance with 13 CCR Section 2759 (labeling) and 13 CCR Sections 2760 and 2764 (emission control system warranty).

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.

This Executive Order hereby cancels and replaces Executive Order U-U-077-0039-1 dated February 7, 2012.

Executed at El Monte, California on this 19 day of February 2013.


 Annette Hebert, Chief
 Mobile Source Operations Division

ATTACHMENT A

Exhaust Family	Displacement	E.O. NUMBER
BBSXS.5002VV	500	U-U-002-0635-1
BBSXS.5402VL	540	U-U-002-0628-1
BBSXS.7242VA	724	U-U-002-0627
BBSXS.7242VN	724	U-U-002-0625-1
CBSXS.5002VV	500	U-U-002-0697
CBSXS.5402VL	540	U-U-002-0699
CBSXS.7242VA	656/724	U-U-002-0700
CBSXS.7242VN	724	U-U-002-0702
BKAXS.4012CC	401	U-U-004-0483
BKAXS.4012CD	352	U-U-004-0485
BKAXS.6032CA	603	U-U-004-0475
BKAXS.7262CA	726	U-U-004-0484
CKAXS.4012CC	401	U-U-004-0518
CKAXS.4012CD	352	U-U-004-0519
CKAXS.6032CA	603	U-U-004-0520
CKAXS.7262CA	726	U-U-004-0526
DKAXS.4012CC	401	U-U-004-0565
DKAXS.4012CD	352	U-U-004-0556
DKAXS.6032CA	603	U-U-004-0555
DKAXS.7262CA	726	U-U-004-0547
BKHXS.7472PC	747	U-U-005-0337
CKHXS.7472PC	747	U-U-005-0378-2
BKAXS.7262CC	726	U-U-004-0484
CKAXS.7262CC	726	U-U-004-0526
DKAXS.7262CC	726	U-U-004-0549
DBSXS.5002VV	500	U-U-002-0743
DBSXS.5402VL	540	U-U-002-0744
DBSXS.7242VA	656/724	U-U-002-0747
DBSXS.7242VN	724	U-U-002-0749
DKHXS.7472PC	747	U-U-005-0402

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

MODEL SUMMARY

S1. Worst Case (Check One)	S2. Engine or Equipment Model	S3. Sales Codes (check all appropriate)			S4. Engine Class (I or II)	S5. Fuel System (FI or carb)	S6. Fuel Tank Vol. (Liters)		S7. Fuel Tank Internal Surface Area (m ²)	S8. Fuel Line Type	S9. Nominal Fuel Line Length ⁽¹⁾ (mm)	S10. Fuel Line Inside Diameter (mm)	S11. Exhaust Family	S12. Fuel Tank Executive Order	S13. Fuel Line Executive Order	S14. Carbon Canister or Other Venting Control Executive Order
		CA Only	49-State	50-State			Total	Nominal								
	1200A			X	II	carb	15.0	13.6	0.41	Multi-Layer	2100	6.35	BKAXS.4012CD CKAXS.4012CD DKAXS.4012CD	Exempt-coextruded	C-U-05-013 G-05-018 Q-8-013	C-U-07-010
	D105	X	X		II	cab	12.1	9.1	0.35	Multi-Layer	1980	6.35	BBSXS.5002VV CBSXS.5002VV DBSXS.5002VV	Exempt-coextruded	C-U-05-002 C-U-05-013 C-U-06-030 G-05-016 G-05-018	C-U-06-015
	D110	X	X		II	cab	12.1	9.1	0.35	Multi-Layer	1980	6.35	BBSXS.5002VV CBSXS.5002VV DBSXS.5002VV	Exempt-coextruded	C-U-05-002 C-U-05-013 C-U-06-030 G-05-016 G-05-018	C-U-06-015
	D120	X	X		II	cab	12.1	9.1	0.35	Multi-Layer	1980	6.35	BBSXS.5402VL CBSXS.5402VL DBSXS.5402VL	Exempt-coextruded	C-U-05-002 C-U-05-013 C-U-06-030 G-05-016 G-05-018	C-U-06-015
	D130	X	X		II	cab	12.1	9.1	0.35	Multi-Layer	2215	6.35	BBSXS.7242VA CBSXS.7242VA DBSXS.7242VA	Exempt-coextruded	C-U-05-002 C-U-05-013 C-U-06-030 G-05-016 G-05-018	C-U-06-015
	D140	X	X		II	cab	12.1	9.1	0.35	Multi-Layer	2215	6.35	BBSXS.7242VA CBSXS.7242VA DBSXS.7242VA	Exempt-coextruded	C-U-05-002 C-U-05-013 C-U-06-030 G-05-016 G-05-018	C-U-06-015
	D160	X	X		II	cab	12.1	9.1	0.35	Multi-Layer	2215	6.35	BBSXS.7242VA CBSXS.7242VA DBSXS.7242VA	Exempt-coextruded	C-U-05-002 C-U-05-013 C-U-06-030 G-05-016 G-05-018	C-U-06-015

ATTACHMENT B (page 2 of 3)

S1. Worst Case (Check One)	S2. Engine or Equipment Model	S3. Sales Codes (check all appropriate)			S4. Engine Class (I or II)	S5. Fuel System (FI or carb)	S6. Fuel Tank Vol. (Liters)		S7. Fuel Tank Internal Surface Area (m ²)	S8. Fuel Line Type	S9. Nominal Fuel Line Length ⁽¹⁾ (mm)	S10. Fuel Line Inside Diameter (mm)	S11. Exhaust Family	S12. Fuel Tank Executive Order	S13. Fuel Line Executive Order	S14. Carbon Canister or Other Venting Control Executive Order
		CA Only	49-State	50-State			Total	Nominal								
	D170	X	X		II	cab	12.1	9.1	0.35	Multi-Layer	2215	6.35	BBSXS.7242VA CBSXS.7242VA DBSXS.7242VA	Exempt-coextruded	C-U-05-002 C-U-05-013 C-U-06-030 G-05-016 G-05-018	C-U-06-015
	TS Gator			X	II	carb	22.3	18.9	0.54	Multi-Layer	1050	6.35	BKAXS.4012CD CKAXS.4012CD DKAXS.4012CD	Exempt-coextruded	C-U-05-013 G-05-018 Q-8-013	C-U-06-015
	TX Gator	X	X		II	carb	22.3	18.9	0.54	Multi-Layer	1230	6.35	BKAXS.4012CC CKAXS.4012CC DKAXS.4012CC	Exempt-coextruded	C-U-05-013 G-05-018 Q-8-013	C-U-06-015
	TX Turf Gator			X	II	carb	22.3	18.9	0.54	Multi-Layer	1230	6.35	BKAXS.4012CC CKAXS.4012CC DKAXS.4012CC	Exempt-coextruded	C-U-05-013 G-05-018 Q-8-013	C-U-06-015
	X300	X	X		II	carb	13.7	12.5	0.52	Multi-Layer	1900	6.35	BKAXS.6032CA CKAXS.6032CA DKAXS.6032CA	Exempt-coextruded	C-U-05-013 G-05-018 Q-8-013	C-U-06-015
	X304	X	X		II	carb	13.7	12.5	0.52	Multi-Layer	1900	6.35	BKAXS.6032CA CKAXS.6032CA DKAXS.6032CA	Exempt-coextruded	C-U-05-013 G-05-018 Q-8-013	C-U-06-015
	X310	X	X		II	carb	13.7	12.5	0.52	Multi-Layer	1900	6.35	BKAXS.6032CA CKAXS.6032CA DKAXS.6032CA	Exempt-coextruded	C-U-05-013 G-05-018 Q-8-013	C-U-06-015
	X320	X	X		II	carb	13.7	12.5	0.52	Multi-Layer	1900	6.35	BKAXS.7262CA CKAXS.7262CA DKAXS.7262CA	Exempt-coextruded	C-U-05-013 G-05-018 Q-8-013	C-U-06-015
	X500	X	X		II	carb	19.3	16.7	0.86	Multi-Layer	1900	6.35	BKAXS.7262CA CKAXS.7262CA DKAXS.7262CA	Exempt-coextruded	C-U-05-013 G-05-018 Q-8-013	C-U-06-015
	Z235	X	X		II	carb	12.1	7.9	0.35	Multi-Layer	1295	6.35	BBSXS.7242VA CBSXS.7242VA DBSXS.7242VA	Exempt-coextruded	C-U-05-002 C-U-05-013 C-U-06-030 G-05-016 G-05-018	C-U-06-015

ATTACHMENT (page 3 of 3)

S1. Worst Case (Check One)	S2. Engine or Equipment Model	S3. Sales Codes (check all appropriate)			S4. Engine Class (I or II)	S5. Fuel System (FI or carb)	S6. Fuel Tank Vol. (Liters)		S7. Fuel Tank Internal Surface Area (m ²)	S8. Fuel Line Type	S9. Nominal Fuel Line Length ⁽¹⁾ (mm)	S10. Fuel Line Inside Diameter (mm)	S11. Exhaust Family	S12. Fuel Tank Executive Order	S13. Fuel Line Executive Order	S14. Carbon Canister or Other Venting Control Executive Order
		CA Only	49-State	50-State			Total	Nominal								
	Z255	X	X		II	carb	12.1	7.9	0.35	Multi-Layer	1295	6.35	BBSXS.7242VA CBSXS.7242VA DBSXS.7242VA	Exempt-coextruded	C-U-05-002 C-U-05-013 C-U-06-030 G-05-016 G-05-018	C-U-06-015
	Z425	X	X		II	carb	15.4	13.2	0.45	Multi-Layer	1420	6.35	BBSXS.7242VA CBSXS.7242VA DBSXS.7242VA	Exempt-coextruded	C-U-05-002 C-U-05-013 C-U-06-030 G-05-016 G-05-018	C-U-06-015
	Z645	X	X		II	carb	15.4	13.2	0.45	Multi-Layer	1130	6.35	BBSXS.7242VN CBSXS.7242VN DBSXS.7242VN	Exempt-coextruded	C-U-05-002 C-U-05-013 C-U-06-030 G-05-016 G-05-018	C-U-06-015
	Z920M	X	X		II	Carb	48.3	42.3	1.2	Multi-Layer	850	6.35	BKAXS.7262CC CKAXS.7262CC DKAXS.7262CC	Exempt-coextruded	C-U-05-013 G-05-017A G-05-018	Q-09-027
X	Z925M		X	X	II	FI	48.3	42.3	1.20	Multi-Layer	1550	6.35	BKHXS.7472PC CKHXS.7472PC DKHXS.7472PC	Exempt-coextruded	C-U-05-013 G-05-017A G-05-018	Q-09-027

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