



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 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		Gasoline
KOHLER COMPANY	See Attachment A		Gasoline
S.A. = See Attachment TBC = To Be Certified			
EQUIPMENT DESCRIPTION			
MODEL YEAR	EVAPORATIVE FAMILY	FUEL TANK SIZE (liters)	EQUIPMENT APPLICATION
2019	COSCGKRLP	See Attachment B	Commercial Turf
EMISSION CONTROL SYSTEMS (ECS)		ENGINE and/or EQUIPMENT MODEL	
Canister/Other		See Attachment B	
A. ECS TYPE (Venting Control Type/Tank Barrier Type): 1. <u>Venting Control Type and Code</u> : Canister=C Sealed Tank=S Other=O 2. <u>Tank Barrier Type and Code</u> : 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). <u>Note</u> : Always list venting control type or code first before tank barrier type or code. 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.

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	See Attachment B	1.5	See Attachment B	1.4	See Attachment B

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 supersedes Executive Order U-U-089-0048-1 dated July 17, 2018.

Executed at El Monte, California on this 17th day of October 2018.

Annette Hebert, Chief
Emissions Compliance, Automotive Regulations and Science Division

Attachment A

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.	JKAXS.6032CA (U-U-004-0743) KKAXS.6032CA (U-U-004-0771) JKAXS.6032CB (U-U-004-0744) KKAXS.6032CB (U-U-004-0772) JKAXS.6032CC (U-U-004-0745) KKAXS.6032CC (U-U-004-0773) JKAXS.7262CA (U-U-004-0750) KKAXS.7262CA (U-U-004-0765) JKAXS.7262CB (U-U-004-0751) KKAXS.7262CB (U-U-004-0766) JKAXS.7262CC (U-U-004-0752) KKAXS.7262CC (TBC) JKAXS.7262IC (U-U-004-0723) KKAXS.7262IC (U-U-004-0774) JKAXS.8522CA (U-U-004-0758) KKAXS.8522CA (U-U-004-0767)	603, 726, 852	Gasoline
KOHLER COMPANY	JKHXS.7252GB (U-U-005-0581) JKHXS.7472GF (U-U-005-0582) KKHXS.7472GF (U-U-005-0609) JKHXS.7472GE (U-U-005-0574) KKHXS.7472GE (U-U-005-0621) JKHXS.7472PF (U-U-005-0577) KKHXS.7472PF (U-U-005-0615)	660, 694, 725, 747	Gasoline

**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								
	SW32-14FS SW36A-14FS SW48V-14FS SW52V-15FS SWZ36A-14FS SWZ-14FS-16 SWZ48V-15FS SWZ-15FS-16 SWZ52V-18FS SWZ-18FS-16 SWZL52V-18FS	X			II	CARB	22.2	19.0	.51	Multi Layer	748	6.35	JKAXS.6032CA KKAXS.6032CA	Q-08-027A	Q-14-008 C-U-05-006	Q-09-021
	SWZT36-14FS SWZT48-15FS SWZT52-18FS SWZT52-18FSE	X			II	CARB	22.2	19.0	.51	Multi Layer	799	6.35	JKAXS.6032CA KKAXS.6032CA	Q-08-027A	Q-14-008 C-U-05-006	Q-09-021
	SVRII-36A-15FS	X			II	CARB	30.0	27.4	.80	Multi Layer	1104	6.35	JKAXS.6032CA KKAXS.6032CA	Q-08-027A	Q-14-008 C-U-05-006	Q-09-023
	SVRII-36A-19FX	X			II	CARB	30.0	27.4	.80	Multi Layer	1104	6.35	JKAXS.6032CB KKAXS.6032CB	Q-08-027A	Q-14-008 C-U-05-006	Q-09-023
	SZL36-18FR	X			II	CARB	17.2	15.7	.58	Multi Layer	977	6.35	JKAXS.6032CC KKAXS.6032CC	Q-08-027A	Q-14-008 C-U-05-006	Q-09-021
	SWZL52V-22FSE SWZL61V-22FSE	X			II	CARB	22.2	19.0	.51	Multi Layer	778	6.35	JKAXS.7262CA KKAXS.7262CA	Q-08-027A	Q-14-008 C-U-05-006	Q-09-021
	SWZT61-22FSE	X			II	CARB	22.2	19.0	.51	Multi Layer	829	6.35	JKAXS.7262CA KKAXS.7262CA	Q-08-027A	Q-14-008 C-U-05-006	Q-09-021
	SZL48-21FR SZL52-23FR	X			II	CARB	22.6	20.6	.58	Multi Layer	918	6.35	JKAXS.7262CB KKAXS.7262CB	Q-08-027A	Q-14-008 C-U-05-006	Q-09-021
	SVRII-48V-22FX SVRII-52V-23FX	X			II	CARB	32.4	30.1	.79	Multi Layer	1134	6.35	JKAXS.7262CC KKAXS.7262CC	Q-08-027A	Q-14-008 C-U-05-006	Q-09-023

	SPZ52-22FX SPZ61-23FX	X			II	CARB	24.9	22.7	.83	Multi Layer	1362	6.35	JKAXS.7262CC	Q-08-027A	Q-14-008 C-U-05-006	Q-09-023
	STCII-48V-22FX STCII-52V-22FX STCII-61V-23FX	X			II	CARB	24.8 22.1	21.5 20.0	.73 .73	Multi Layer	2556	6.35	JKAXS.7262CC	Q-08-027A	Q-14-008 C-U-05-006	Q-09-021 Qty = 2
	SCZ48V-22FX SCZ52V-23FX	X			II	CARB	23.9 23.0	20.7 20.0	.74 .72	Multi Layer	2276	6.35	JKAXS.7262CC	Q-08-027A	Q-14-008 C-U-05-006	Q-09-021 Qty = 2
	STCII-61V-26FT-EFI	X			II	FI	24.8 22.1	21.5 20.0	.73 .73	Multi Layer	1922	6.35	JKAXS.7262IC KKAXS.7262IC	Q-08-027A	Q-14-008 C-U-05-006 C-U-05-009 Q-17-055	Q-09-021 Qty = 2
	SVRII-61V-25FX	X			II	CARB	32.4	30.1	.79	Multi Layer	1249	6.35	JKAXS.8522CA KKAXS.8522CA	Q-08-027A	Q-14-008 C-U-05-006	Q-09-023
	SFZ48-22KT SFZ52-24KT	X			II	CARB	24.9	22.7	.83	Multi Layer	714	6.35	JKHXS.7252GB JKHXS.7472GF KKHXS.7472GF	Q-08-027A	Q-14-008	Q-09-023
	STCII-48V-23CV	X			II	CARB	24.8 22.1	21.5 20.0	.73 .73	Multi Layer	2211	6.35	JKHXS.7472GE KKHXS.7472GE	Q-08-027A	Q-14-008	Q-09-021 Qty = 2
	SPZ52-23CV SPZ61-25CV	X			II	CARB	24.9	22.7	.83	Multi Layer	915	6.35	JKHXS.7472GE KKHXS.7472GE	Q-08-027A	Q-14-008	Q-09-023
	SVRII-52V-25CV-EFI	X			II	FI	32.4	30.1	.79	Multi Layer	1823 483	6.35 7.94	JKHXS.7472PF KKHXS.7472PF	Q-08-027A	Q-14-008 C-U-05-009	Q-09-023
	STCII-52V-25CV-EFI	X			II	FI	24.8 22.1	21.5 20.0	.51 .55	Multi Layer	2185 483	6.35 7.94	JKHXS.7472PF KKHXS.7472PF	Q-08-027A	Q-14-008 C-U-05-009	Q-09-021 Qty = 2
	SCZ52V-25CV-EFI	X			II	FI	23.9 23.0	20.7 20.0	.74 .72	Multi Layer	2376 483	6.35 7.94	JKHXS.7472PF KKHXS.7472PF	Q-08-027A	Q-14-008 C-U-05-009	Q-09-021 Qty = 2
	STTII-52V-26CH-EFI STTII-61V-26CH-EFI	X			II	FI	48.5	45.4	1.20	Multi Layer	1111 483	6.35 7.94	JKHXS.7472PF KKHXS.7472PF	Q-08-027A	Q-14-008 C-U-05-009	Q-13-012

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