California Environmental Protection Agency AIR RESOURCES BOARD	ARIENS COMPANY	EXECUTIVE ORDER U-U-160-0027-1 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 petroleum gas)
KAWASAKI HEAVY INDUSTRIES, LTD.	AKAXS.6032CB (U-U-004-0441) AKAXS.6032CA (U-U-004-0440)	603	Gasoline

S.A. = See Attachment
TBC = To Be Certified

EQUIPMENT DESCRIPTION

MODEL YEAR	EVAPORATIVE FAMILY	FUEL TANK SIZE (liters)	EQUIPMENT APPLICATION
2011	CPARNR01	25.93	Walk-Behind Lawnmower

EMISSION CONTROL SYSTEMS (ECS)	ENGINE and/or EQUIPMENT MODEL
Canister/HDPE	See Attachment

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.

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/m^2/day) or grams per liter (g/l) for this evaporative family or the component Executive Order, as applicable.

*=not applicable	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-05-013, G-05-018	*	*	1.4	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.

This Executive Order hereby supersedes Executive Order U-U-160-0027 dated December 16, 2010.

Executed at El Monte, California on this 14th day of February 2011.

J. Lourenco
Annette Hebert, Chief
Mobile Source Operations Division

Attachment 1 of 2 U-U-160-0027-1

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											
x	BTC10109 John Deere	X		X	II	CARB	25.93	.51	Multi	762	6.35	AKAXS.6032CA		C-U-05-013 G-05-018	Q-09-021
	BTC10110 John Deere	X		X	II	CARB	25.93	.51	Multi	762	6.35	AKAXS.6032CA		C-U-05-013 G-05-018	Q-09-021
	BTC10111 John Deere	X		X	II	CARB	25.93	.51	Multi	762	6.35	AKAXS.6032CA		C-U-05-013 G-05-018	Q-09-021
	BTC10106 John Deere	X		X	II	CARB	25.93	.51	Multi	762	6.35	AKAXS.6032CA		C-U-05-013 G-05-018	Q-09-021
	BTC10107 John Deere	X		X	II	CARB	25.93	.51	Multi	762	6.35	AKAXS.6032CA		C-U-05-013 G-05-018	Q-09-021
	BTC10108 John Deere	X		X	II	CARB	25.93	.51	Multi	762	6.35	AKAXS.6032CA		C-U-05-013 G-05-018	Q-09-021
	988150 Gravely	X		X	II	CARB	25.93	.51	Multi	762	6.35	AKAXS.6032CA AKAXS.6032CB		C-U-05-013 G-05-018	Q-09-021
	988151 Gravely	X		X	II	CARB	25.93	.51	Multi	762	6.35	AKAXS.6032CA AKAXS.6032CB		C-U-05-013 G-05-018	Q-09-021
	988152 Gravely	X		X	II	CARB	25.93	.51	Multi	762	6.35	AKAXS.6032CA AKAXS.6032CB		C-U-05-013 G-05-018	Q-09-021
	988153 Gravely	X		X	II	CARB	25.93	.51	Multi	762	6.35	AKAXS.6032CA AKAXS.6032CB		C-U-05-013 G-05-018	Q-09-021
	988154 Gravely	X		X	II	CARB	25.93	.51	Multi	762	6.35	AKAXS.6032CA AKAXS.6032CB		C-U-05-013 G-05-018	Q-09-021
	988155 Gravely	X		X	II	CARB	25.93	.51	Multi	762	6.35	AKAXS.6032CA AKAXS.6032CB		C-U-05-013 G-05-018	Q-09-021

	988156 Gravely	X		X	II	CARB	25.93	.51	Multi	762	6.35	AKAXS.6032CA AKAXS.6032CB		C-U-05-013 G-05-018	Q-09-021
	988157 Gravely	X		X	II	CARB	25.93	.51	Multi	762	6.35	AKAXS.6032CA AKAXS.6032CB		C-U-05-013 G-05-018	Q-09-021
	988158 Gravely	X		X	II	CARB	25.93	.51	Multi	762	6.35	AKAXS.6032CA AKAXS.6032CB		C-U-05-013 G-05-018	Q-09-021
	988811 Ariens	X		X	II	CARB	25.93	.51	Multi	762	6.35	AKAXS.6032CA		C-U-05-013 G-05-018	Q-09-021
	988812 Ariens	X		X	II	CARB	25.93	.51	Multi	762	6.35	AKAXS.6032CA		C-U-05-013 G-05-018	Q-09-021

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