California Environmental Protection Agency	ASTON MARTIN	Executive Order: A-098-0053 New Passenger Cars, Light-Duty Trucks and
OB Air Resources Board	LAGONDA LIMITED	Medium-Duty Vehicles
		Page 1 of 4

Pursuant to the authority vested in the Air Resources Board by Health and Safety Code (HSC), Division 26, Part 5, Chapter 2; and pursuant to the authority vested in the undersigned by HSC Sections 39515 and 39516 and Executive Order G-14-012;

IT IS ORDERED AND RESOLVED: The following exhaust and evaporative emission control systems produced by the manufacturer are certified as described below. Production vehicles shall be in all material respects the same as those for which certification is granted.

					TEST GROU	IP INFORMA	TION					
MODE						E CLASS(ES) FUEL CATEGORY			FUEL TYPE			
2017	HA	SXV06	S.OVHB		PC	DE	DICATED SI VEHIC	GASOLINE				
I	USEFUL	LIFE	(miles)	V	EHICLE EMISSIC	ON CATEGO	RY I	TERIM / INTE	RMEDIA	TE IN-USE STD		
EXH	/ORVR		EVAP		FTP	SFTP		FTP		SFTP		
12	0000		150000	L	EV2 ULEV	LEV 2 S. STANDA		***	*			
SPE	CIAL FE	ATUR		AUST EMIS	SION CONTROL		OBD STAT	us	ENGINE	DISPLACEMENT (L)		
1	400	-TWC	, 2 TWC ,	4WR-HO2S,	4HO2S, SFI	FL	ILL AI	LL MODELS				
*	*						PARTIAL *			6.0		
*				*	~		AL WITH	*	*			
			EV	APORATIVE	& REFUELING	EVAP/ORVE) FAMILY IN	FORMATION				
EVA	P / ORV	RFAN	AILY	EVAPORAT	VE STD CATEG	DRY E	VAP EMISSIO		SPECIA	L FEATURES		
Н	ASXR01	60P13	Z I		LEV 2		PC		*			
					EMISSION CRI	EDIT INFOR	MATION					
ALLOWANCE FOR TEST GROUP					NMOG CREDIT FOR NMOG CREDIT				OPTIONAL EXH			
BASE	LINE P	ZEV	AT	PZEV	TZEV	NON-PZEV	ZERO-EVAF	DOR		TRUCKS		
	*			*	*		N	N		N		
			1 1 1 1 1	NMO	OG AND FLEET	AVERAGE I	FORMATIO	N				
	CH4 RAF	NMO	FTP G/NMHC ATIO	HCHO/NMH RATIO	C NMOG+NOX PC+LDT (0- (g/r	3750 LVW)	LDT (375	X FLEET STD 1 LVW-8500 MDPV (g/mi)	MDV	NOX FLEET STD (10001-14000 /WR) (g/mi)		
*	*	:	1.04	*	0.	125	0	.125		*		

See the Attachment for Vehicle Models, Evaporative Family, Engine Displacement, Emission Control Systems, Phase-In Standards, OBD Compliance, Emission Standards and Certification Levels, and Abbreviations.

BE IT FURTHER RESOLVED:

The exhaust and evaporative emission standards and the certification emission levels for the listed vehicles are as listed on the Attachment. Compliance with the 50° Fahrenheit testing requirement may have been met based on the manufacturer's submitted compliance plan in lieu of testing. Any debit in the manufacturer's NMOG+NOx and greenhouse gas Fleet Average (PC or LDT or MDPV) or "Vehicle Equivalent Credit" (MDV) compliance plan shall be equalized as required.

BE IT FURTHER RESOLVED:

California Environmental Protection Agency	ASTON MARTIN	Executive Order: A-098-0053 New Passenger Cars, Light-Duty Trucks and
OB Air Resources Board	LAGONDA LIMITED	Medium-Duty Vehicles Page 2 of 4

For the listed vehicle models, the manufacturer has attested to compliance with Title 13, California Code of Regulations, (13 CCR) Sections 1965 [emission control labels], 1968.2 [on-board diagnostic, full or partial compliance], 2035 et seq. [emission control warranty], 2235 [fuel tank fill pipes and openings] (gasoline and alcohol fueled vehicles only), and "High-Altitude Requirements" and "Inspection and Maintenance Emission Standards" (California 2015 and Subsequent Model Criteria Pollutant Exhaust Emission Standards and Test Procedures and 2017 and Subsequent Model Greenhouse Gas Exhaust Emission Standards and Test Procedures for PC, LDT and MDV).

Vehicles certified under this Executive Order shall conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this Executive Order.

Executed at El Monte, California on this <u>2974</u> day of June 2016.

Annette Hebert, Chief

Emissions Compliance, Automotive Regulations and Science Division

California Environmental Protection Agency

O Air Resources Board

FUEL TYPE

ASTON MARTIN LAGONDA LIMITED Executive Order: A-098-0053 New Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles Page 3 of 4

	AT'	TAC	HN	IENT
--	-----	-----	----	------

EXHAUST AND EVAPORATIVE EMISSION STANDARDS AND CERTIFICATION LEVELS

EXHAUST EMISSION STANDARDS AND CERTIFICATION LEVELS (FTP, HWFET, 50°F, 20°F)

CH4: methane; NMOG: non-CH4 organic gas; HC: hydrocarbon; NMHC: non-CH4 HC; CO: carbon monoxide; NOx: oxides of nitrogen; HCHO: formaldehyde; PM: particulate matter; RAF: reactivity adjustment factor; 2DHS/3DHS [g HC/test]: 2/3 days diurnal+hot-soak; RL [g HC/mi]: running loss; ORVR [g HC/gallon dispensed]: on-board refueling vapor recovery; g: gram; mg: milligram; mi: mile; K: 1000 miles; F: degrees Fahrenheit; FTP: federal test procedure; SFTP: supplemental FTP

in the second side			1									
			NM (g/i			:O mi)	NOx (g/mi)		HCHO (mg/mi)		PM (g/mi)	
Providence -			CERT	STD	CERT	STD	CERT	STD	CERT	STD	CERT	STD
FTP@50K	TI	LINE - LER 2 LEADED	0.0224	0.040	0.65	1.7	0.013	0.05	*)	8	*	*
FTP@UL	TI	DLINE - IER 2 LEADED	0.0245	0.055	0.71	2.1	0.016	0.07	*	11	*	0.01
50°F @4K		PHASE 2	0.071	0.080	1.18	1.7	0.008	0.05	*	16		
				NOx (g/mi)			CO (g/mi)					
	FUEL TYPE					CERT		STD CE		RT. STD		
HWFET @	WFET @ 50K GASOLINE - TIER 2 UNLEADED					ED	0.004		0.07			
HWFET @	UL		GASOLINE	- TIER	2 UNLEAD	ED	0.0	007	0.09			
20°F @ 5	50K		GASOLINE	- TIER :	2 UNLEAD	ED				1.	7	10.0

SFTP EXHAUST EMISSION STANDARDS AND CERTIFICATION LEVELS

	And States	US06			SC03		COMPOSITE			
	FUEL TYPE		NMHC+NOx (g/mi)	CO (g/mi)	PM (mg/mi)	NMHC+NOx (g/mi)	CO (g/mi)	NMOG+NOx (g/mi)	CO (g/mi) (PM (mg/mi)
@ 4K	GASOLINE - TIER 2 UNLEADED	CERT	0.04	1.49		0.007	0.26			
0		STD	0.14	8.0	A PARA CARD	0.20	2.7			建设的成
		CERT	*	*	*	*	*	*	*	*
@ UL	*	STD	*	· *	*	*	*	*	*	*
	1	BIN						*		

		WHOLE VEHICLE EVAPORATIVE TESTING					NG			
EVAPORATIVE FAMILY	FUEL TYPE	3DHS (g/test) @ UL			2DHS (g/test) @ UL			RL (g/mi) @ UL		
		CERT	STD	FEL	CERT	STD	FEL	CERT	STD	
HASXR0160P1Y	GASOLINE - TIER 2 UNLEADED	0.39	0.50	*	0.49	0.65	*	0.00	0.05	

								t-Duty T ium-Dut	Trucks and		
ORVR / FU	EL ONLY / CA	NISTER	R BLEED E	VAPORATIN	E EMISSION S	STANDARDS	AND	CERTI	FICATIO	N LEVE	ELS
				FUEL ONLY EVAP & CANISTER BLEED							
EVAPORATIVE FAMILY	ORVR (g/g	gallon)	-	FUEL TYPE	3DHS RIG (g/test) (DHS R (g/test			BLEED CANIST TEST (g/test) @	
	FUEL TYPE	CERT	STD		CERT	STD C	ERT	ST	DC	ERT	STD
HASXR0160P1Y TIER 2 UNLEADE		0.01	0.20	*	*	*	*	*		*	*
atalyst; NAC: NO NH3OC: ammonia ilter for spark-igni NOXS: NOx sense EGRC: EGR coole uel injection; DFI/ ines on-board dia utfix: series; CNG 10: "10%" ethance ontinuously varia iutomated manua	a oxidation cata ted engine; HO or; PMS: PM se er; AIR/AIRE: se IFI: direct/indire gnostic; DOR: 6 C/LNG: compre of ("90%"gasolin ble transmissio I-selectable tra	lyst; CT 22S/O2S ensor; R econdar ect fuel direct or ssed/liq ne) fuel; on; SCV nsmissi	OX/PTOX: 5: heated/ox DQS: reduction; TC zone reduc	continuous/p kygen sensor ctant quality on (belt drive C/SC: turbo/s ing; HCT: hydr ral gas; LPG tic (with lock continuous) er transmiss	periodic trap oxi r; WR-HO2S or sensor; NH3S: en)/(electric driv super charger; G drocarbon trap; ; liguefied petro up); M: manual y variable trapsi	dizer; DPF: d AFS: wide ra ammonia ser en); PAIR: pt CAC: charge BCAN: bleed bleum gas; E8 Uransmission mission; AM:	tiesel p inge/lin isor; Ed ilsed A air coo d carbo 35: "85 ^c n; SA: s autom	articula lear/he GR: ex IR; SF ler; F/F n canis %" etha semi-a ated m	ate filter ated air- thaust ga I/MFI: se P/\$: full/p ster; pref anol (*15 utomatic anual tra	(active); fuel ratio s recirce quential partial/pa ix 2: par %"gaso transmi	GPF: PM o sensor; ulation; l/multiport artial with allel; (2) line) fuel; ssion; CV
MAKE	MODEL	v	EH CLASS	ENGINE (L)	TRANS TYPE	EVAPORA		EXH ECS	OBD	PZE	
ASTON MARTIN	RAPIDE	S	PC	6.0		- AINTE				1	V TYPE
and the second second second	THE TOP I			0.0	SA8	HASXR016	OP1Y	1	F		V TYPE
ASTON MARTIN	V12 VANTAG		PC	6.0	SA8 AM7,M7	HASXR016		1	F F		
ASTON MARTIN		E S					OP1Y				*

1

F

*

HASXR0160P1Y

.

VANQUISH VOLANTE

PC

6.0

SA8

ASTON MARTIN