

Pursuant to the authority vested in California 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: That 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 GRC	OUP IN	FOR	MATION					
MODE		EST GROUP		VEHIC	LE CLASS(E	S)		FUEL CATEGORY			FUEL TYPE		
2020	LG	MXV01.4099			PC		DEDICATED SINGLE FUEL VEHICLE				GASOLINE		
USEFUL LIFE (miles) VEHICLE EMISSION							ATE	GORY	INTERIM / IN	TERM	ERMEDIATE IN-USE STD		
EXH/ORVR EVAP FTP							SF	TP	FTP		SFTP		
15	LEV3	ULEV70	LEV	3 CC	OMPOSITE	PM		PM					
SPECIAL FEATURES & EXHAUST EMISSION CONTROL SYSTEMS								OBD S	TATUS		ENGINE DISPLACEMENT		
1		SFI, TWC(2)	, но2	2S(2), TC	C, CAC			FULL	LL *				
*			*				P	PARTIAL ALL MODEI			1.4		
* *								RTIAL WITH *					
		E١	APO	RATIVE &	REFUELING	(EVA	P/OR	VR) FAMIL	(INFORMATION	1			
EVA	P / ORV	R FAMILY	EVA	PORATIVE	E STD CATE	GORY	EVAP EMISSION STD VEHICLE CLASS			SI	SPECIAL FEATURES		
I	GMXR0(95805		L	EV 2			PC			HCT		
				E	EMISSION C	REDIT		ORMATION					
NMOG+NOX FLEET AVE. CREDIT FOR EXTENDED WARRANTY						ON-P	ZEV NMOG CREDIT FOR DOR				OPTIONAL EXH. STD FOR WORK TRUCKS		
	N N							N N					
	addal anna da millio di Allandia.			NMOG	AND FLEE	T AVE	RAGI	E INFORMA	TION				
NMOG RAF						0-375					NMOG+NOX FLEET STD MDV (10,001-14,000 GVWR) (g/mi)		
*	*	1.10		*	0	.065		0.074			*		

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. (As applicable, heavy-duty vehicles (HDV) over 14,000 pounds in GVWR listed in this Executive Order are certified to the requirements in 13 CCR Section 1961.2 applicable to MDV pursuant to 13 CCR Section 1956.8(c)(3) or 13 CCR Section 1956.8(h)(5), as applicable.)



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 fleet average compliance requirement for NMOG+NOx or Vehicle Equivalent Credit (13 CCR Sections 1961.2(b)(1), 1961.2(b)(3), or 1961.2(c) (3), and the incorporated test procedures, as applicable), or Greenhouse Gas Emissions (13 CCR Section 1961.3, or 17 CCR Section 95663, and the incorporated test procedures, as applicable), for PC, LDT, MDPV or MDV shall be equalized as required.

BE IT FURTHER RESOLVED:

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 3/57 day of May 2019.

Allen Lyons, Chief Emissions Compliance, Automotive Regulations and Science Division



GENERAL MOTORS LLC.

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0.083

0.080

4.2

ATTACHMENT

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

FUE	т тү	PF

STD

BIN

@UL

TIER3 E10

					6+NOx mi)		CO /mi)	NO (g/m			HCHO (mg/mi)	P (g/i	M mi)
				CERT	STD	CERT	STD	CERT	STD	CER	T STD	CERT	STD
FTP@5	@50K *			*	*	*	*	*	*	*	*	*	*
FTP@L		L GASOLINE- TIER3 E10		0.033	0.070	0.4	1.7	*	*	*	4	0.001	0.003
50°F @	0°F @4K *		*		*	*	*	*	*	*	*		
FUEL TYPE						NMOG+NOx (g/mi)				CO (g/mi)			
用语					FUELIN	- C		CER	RT	STD	CERT	CERT	
HWFET @ 50K *						*		*			adas que i		
HWFE	T @ UL			GASO	LINE-TIE	R3 E10		0.00	02	0.07	D In the second second		
20°F	@ 50K	cc	DLD CC	E10 R	EGULAR G	ASOLINE	(TIER3)				2.1		10.0
*****			S	FTP EXH	AUST EN	ISSION S	TANDARD	S AND CE	RTIFIC	ATION L	EVELS		
		US06						SC03		COMPOSITE			
	FUEL 1	FUEL TYPE		2	G+NOx mi)	CO (g/mi)	PM (mg/mi)	NMOG+ (g/m		CO (g/mi)	NMOG+NOx (g/mi)	CO (g/mi)	PM (mg/mi
@ 4K	*	* CE			*	*		*		*	organg Visiti di		
					*	*	Sec. E.	*		*	1. 12. 12	19530	s sideo
			CERT		*	*	2	*		*	0.022	1.0	*
ைய	GASOL	LINE- STI			*	*	6	*		*	0.083	4.2	*

WHOLE VEHICLE EVAPORATIVE EMISSION STANDARDS AND CERTIFICATION LEVELS

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			Wł	IOLE \							
EVAPORATIVE FAMILY	FUEL TYPE	3	DHS (g	/test) (DUL	2Dł	F	RL (g/mi) @ UL			
		CEF	CERT ST		FEL	CERT	STD	FEL	CE	RT	STD
LGMXR0095805	GASOLINE- TIER3 E10	0.3	0.31 0		*	0.41	0.65	*	0.	00	0.05
ORVR / FUI	EL ONLY / CAN	NISTER	BLEED	EVAP	ORATIVE	EMISSION	STANDA	RDS AND	CERTIFICA	TION LEV	ELS
			FUEL ONLY EVAP & CANISTER BLEED							D	
EVAPORATIVE FAMILY	ORVR (g/g	FUE			IG TEST) @ UL	2DHS R (g/test			ANISTER est) @ 4K		
eter de co	FUEL TYPE	CERT	STD			CERT	STD	CERT	STD	CERT	STD
LGMXR0095805	GASOLINE- TIER3 E10	0.17	17 0.20		*	*	*	*	*	*	*

CALIFORNIA AIR RESOURCES BOARD			NERAL MOTORS LLC.	Executive Order: A-006-2209 New Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles Page 4 of 4			
EFFECTIV	E LEAK DIAMETER	STA	NDARD AND CER	TIFICATION L	EVEL (INCHES)		
EVAPORATIVE FAMILY	LEAK FAMILY		CERT		STD		
*	*		*		*		
LDT<6000#GVWR,3751-575 8500#ALVW; MDV: medium- duty passenger vehicle; HDV emission limit; GVWR: gross ULEV: ultra LEV; SULEV: sup ADSTWC: adsorbing TWC; H SCRC/SCR-N or SCRC-NH3 continuous/periodic trap oxidi heated/oxygen sensor; WR-H RDQS: reductant quality sens secondary air injection (belt of direct/indirect fuel injection; T fines on-board diagnostic; DC suffix: series; CNG/LNG: com E10: "10%" ethanol ("90%"ga	0#LVW; LDT3: LDT 600 duty vehicle; MDV4: ME : heavy-duty vehicle; E0 vehicle weight rating; L per ULEV; ZEV: zero-en IAC: HC adsorbing cata : selective catalytic redu zer; DPF: diesel particu IO2S or AFS: wide rang sor; NH3S: ammonia se riven)/(electric driven); C/SC: turbo/super char pressed/liquefied natur soline) fuel; A: automat soline) fuel; A: automat soline) fuel; A: automat at ransmission: OT: other	01-850 DV 850 CS: em VW: lo mission alyst; V uction- ulate fil ge/linea ensor; I PAIR: ger; C ng; HC rger; C ng; HC rgal gas tic (with contin er trans	0#GVWR,3751-5750 1-10000#GVWR; MI hission control system aded vehicle weight; n vehicle; TZEV: tran /U: warm-up catalyst urea/ammonia; NH30 ter (active); GPF: PM ar/heated air-fuel ratio EGR: exhaust gas re pulsed AIR; SFI/MFI AC: charge air cooler T: hydrocarbon trap; ; LPG: liquefied petro n lockup); M: manual uously variable trans smission; AER: all-ele	#ALVW; LD14: DV5: MDV 1000 ALVW: adjusted sitional ZEV; TW ; NAC: NOx ads DC: ammonia ov I filter for spark-io o sensor; NOXS circulation; EGR : sequential/mult r; FFH: fuel fired BCAN: bleed ca bleum gas; E85: transmission; S mission; AM: au ectric range; EA	ignited engine; HO2S/O2S: : NOx sensor; PMS: PM sensor; C: EGR cooler; AIR/AIRE: tiport fuel injection; DFI/IFI: heater; F/P/\$: full/partial/partial with arbon canister; prefix 2: parallel; (2) "85%" ethanol ("15%"gasoline) fuel; A: semi-automatic transmission; CV: tomated manual transmission; AMS: ER: equivalent AER; PHEV: plug-in		
2020	MODEL YEAR	: VE	EHICLE MOD	ELS INFO	RMATION		

							- Andrewski - Constanting
MAKE	MODEL	VEH CLASS	ENGINE (L)	TRANS TYPE	EVAPORATIVE FAMILY	EXH ECS	OBD
BUICK	ENCORE AWD	PC	1.4	SA6	LGMXR0095805	1	Р
BUICK	ENCORE FWD	PC	1.4	SA6	LGMXR0095805	1	P
CHEVROLET	SONIC	PC	1.4	SA6	LGMXR0095805	1	Р
CHEVROLET	SONIC 5	PC	1.4	SA6	LGMXR0095805	1	P
CHEVROLET	TRAX AWD	PC	1.4	SA6	LGMXR0095805	1	P
CHEVROLET	TRAX FWD	PC	1.4	SA6	LGMXR0095805	1	Р