

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-19-095;

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 GRO	UP I	NFOR	MATION						
MODE YEA	T	EST GROUP		VEHIC	LE CLASS(E	S)		FUEL C	ATEGORY		FUEL TYPE			
2023	3 PI	IALT03.0001			LDT4			-	SINGLE FUEL HICLE	GASOLINE				
	USEFU	L LIFE (miles)		VEF	IICLE EMISS	ION (CATE	GORY	INTERIM / IN	TERMEDIATE IN-USE STD				
EXH	I/ORVR	EVAP			FTP		SF	тр	FTP	SFTP				
1!	50000	150000		LEV3	ULEV50	LEV	3 C	OMPOSITE	*		PM			
SPECIAL FEATURES & EXHAUST EMISSION CONTROL SYSTEMS						L		OBD S	TATUS	E	ENGINE DISPLACEMENT			
1	Т	WC, WR-HO2S,	HO2S	S, DFI,	TC, CAC			FULL	*					
*			*				F	ARTIAL ALL MODELS		3.0				
*			*				PAF	RTIAL WITH FINES	*					
· · · ·	EVAPORATIVE & REFUELING (EVAP/ORVR) FAMILY INFORMATION													
EVA	AP / ORV	R FAMILY	EVA	PORATIVE	E STD CATE	GOR	Y EVAP EMISSION STD VEHICLE CLASS			SPECIAL FEATURES				
	PIALR0	L80001		LEV 3	OPTION2			LI	DT4		*			
				I	EMISSION CI	REDI	T INF	ORMATION						
	REDIT FO	DX FLEET AVE. DR EXTENDED RRANTY			EDIT FOR N ZERO-EVAP	ON-F	PZEV NMOG CREDIT FOR DOR			ર	OPTIONAL EXH. STD FOR WORK TRUCKS			
		N			N				N		N			
				NMOG	AND FLEET	AVE	RAG	E INFORMA	TION					
NMOG RAF	CH4 RAF	FTP NMOG/NMHC RATIO		IO/NMHC RATIO										
*	*	1.10		*	0	.051			0.051		*			

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.

This Executive Order hereby supersedes Executive Order A-518-0001 dated September 21, 2023.

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

Executed on this $\underline{/3th}$ day of October 2023.

Rolin U. Lang

Robin U. Lang, Chief *O* Emissions Certification and Compliance Division



FUEL TYPE

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

			NMOG+NOx (g/mi)		CO (g/mi)		Ox mi)	HCHO (mg/mi)		PM (g/mi)	
		CERT	STD	CERT	STD	CERT	STD	CERT	STD	CERT	STD
FTP@50K	*	*	*	*	*	*	*	*	*	*	*
FTP@UL	GASOLINE- TIER3 E10 PREM	0.032	0.050	0.8	1.7	*	*	2	4	0.001	0.003
50°F @4K	GASOLINE- TIER3 E10 PREM	0.030	0.100	0.5	1.7	*	*	2.8	16		

	FUEL TYPE	NMOG+N	Ox (g/mi)	CO (g/mi)		
	FOELTIFE	CERT	STD	CERT	STD	
HWFET @ 50K	*	*	*			
HWFET @ UL	GASOLINE-TIER3 E10 PREM	0.018	0.050			
20°F @ 50K	GASOLINE-TIER3 E10 PREM			1.5	12.5	

SFTP EXHAUST EMISSION STANDARDS AND CERTIFICATION LEVELS

	SFTP EXHAUST EMISSION STANDARDS AND CERTIFICATION LEVELS															
						US06				SC03			COMPOSITE			
	FUEL TYP	PE		NMC	DG+NO x	CO		РМ	NMC	OG+NOx	со	NMC	OG+NOx	со	PM	
				(g/mi)	(g/mi)	(m	g/mi)	(g/mi)	(g/mi)	(g/mi)	(g/mi)	(mg/mi)	
@ 4K	*		CERT	*		* *				*	*					
-			STD		*	*				*	*			1.6		
			CERT		*	*	1	1.9		*	*	0.027		1.6	*	
@ UL	GASOLINI TIER3 E: PREM	E10 STD		*		*		6		*	*	0.063		4.2	*	
			BIN									0	.060			
		WHC	OLE VE	HICL	E EVAPO	ORATIVE E	MISSIO	N STAN	IDAR	DS AND C	ERTIFIC		N LEVELS	;		
						WHOLE \	VEHICLE	EVAP	ORA	FIVE TEST	ING					
	ORATIVE FUEL TY				3DHS (g/test) @ UL				2DHS (g/test) @ UL				RL (g/mi) @ UL		UL	
				Ī	CERT	STD	FEL	CEF	RT	STD	FEI	<u> </u>	CERT		STD	
PIALF	80180001	-	ASOLIN EV3 E PREM		0.292	0.500	*	0.2	21	0.500	*		0.00		0.05	



INEOS AUTOMOTIVE LIMITED

ORVR / FUI	EL ONLY / CA	NISTER	BLEED	EVAPOF	RATIVE	EMISSION	I STANDAI	RDS AN	D CE	ERTIFICA	TION LEV	ELS		
				FUEL ONLY EVAP & CANISTER BLEED										
EVAPORATIVE FAMILY	ORVR (g/	FUEL TYPE		3DHS R (g/test	2DHS RIG TEST (g/test) @ UL			BLEED CANISTER TEST (g/test) @ 4K						
	FUEL TYPE	CERT	STD			CERT	STD	CERT		STD	CERT	STD		
PIALR0180001	GASOLINE- LEV3 E10 PREM	0.13	0.20	GASOL LEV3 PRE	E10	*	*	*		*	0.006	0.020		
E	EFFECTIVE	LEAK D	IAMET	ER STA	NDARI	D AND CE	RTIFICA	TION L	EVE	L (INCH	ES)			
			K FAMII	LY		CE	RT		STD					
PIALR0180	PIALR0180001-001				0.0	002		0.02						

: not applicable; #: pounds; UL: useful life; PC: passenger car; LDT: light-duty truck; LDT1: LDT<6000#GVWR,0-3750#LVW; LDT2: _DT<6000#GVWR.3751-5750#LVW; LDT3: LDT 6001-8500#GVWR.3751-5750#ALVW; LDT4: LDT 6001-8500#GVWR.5751-8500#ALVW; MDV: medium-duty vehicle; MDV4: MDV 8501-10000#GVWR; MDV5: MDV 10001-14000#GVWR; MDPV: mediumduty passenger vehicle; HDV: heavy-duty vehicle; ECS: emission control system; CERT: certification; STD: standard; FEL: family emission limit; GVWR: gross vehicle weight rating; LVW: loaded vehicle weight; ALVW: adjusted LVW; LEV: low emission vehicle; ULEV: ultra LEV; SULEV: super ULEV; ZEV: zero-emission vehicle; TZEV: transitional ZEV; TWC/OC: 3-way/oxidizing catalyst; ADSTWC: adsorbing TWC; HAC: HC adsorbing catalyst; WU: warm-up catalyst; NAC: NOx adsorption catalyst; SCR-U or SCRC/SCR-N or SCRC-NH3: selective catalytic reduction-urea/ammonia; NH3OC: ammonia oxidation catalyst; CTOX/PTOX: continuous/periodic trap oxidizer; DPF: diesel particulate filter (active); GPF: PM filter for spark-ignited engine; cGPF (coated gasoline particulate filter); HO2S/O2S: heated/oxygen sensor; WR-HO2S or AFS: wide range/linear/heated air-fuel ratio sensor; NOXS: NOx sensor; PMS: PM sensor; RDQS: reductant quality sensor; NH3S: ammonia sensor; EGR: exhaust gas recirculation; HP/LP EGR: High/Low Pressure EGR; EGRC: EGR cooler; AIR/AIRE: secondary air injection (belt driven)/(electric driven); PAIR: pulsed AIR; SFI/MFI: sequential/multiport fuel injection; DFI/IFI: direct/indirect fuel injection; TC/SC: turbo/super charger; CAC: charge air cooler; FFH: fuel fired heater; F/P/\$: full/partial/partial with fines on-board diagnostic; DOR: direct ozone reducing; HCT: hydrocarbon trap; BCAN: bleed carbon canister; prefix 2: parallel; (2) suffix: series; a hyphen (-) between after treatment ECS indicates multiple functionalities of the after treatment device (ex. DPF-SCRC: SCR coated DPF); CNG/LNG: compressed/liquefied natural gas; LPG: liquefied petroleum gas; E85: "85%" ethanol ("15%"gasoline) fuel; E10: "10%" ethanol ("90%"gasoline) fuel; A: automatic (with lockup); M: manual transmission; SA: semi-automatic transmission; CV: continuously variable transmission; SCV: selectable continuously variable transmission: AM: automated manual transmission: AMS: automated manual-selectable transmission; OT: other transmission; AER: all-electric range; EAER: equivalent AER; PHEV: plug-in hybrid electric vehicle; NMOG + NOx Fleet Ave. Credit for Extended Warranty: N = no credits, Y = credits, S = credits for some/select models

2023 MODEL YEAR: VEHICLE MODELS INFORMATION

MAKE	MODEL	VEH CLASS	ENGINE (L)	TRANS TYPE	EVAPORATIVE FAMILY	EXH ECS	OBD
INEOS	GRENADIER FIELDMASTER	LDT4	3.0	SA8	PIALR0180001	1	P
INEOS	GRENADIER STATION WAGON	LDT4	3.0	SA8	PIALR0180001	1	P
INEOS	GRENADIER TRIALMASTER	LDT4	3.0	SA8	PIALR0180001	1	P