

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 II	NFOR	MATION						
MODE YEAF		TES	ST GROUP		VEHICLE CLASS(ES)			FUEL CATEGORY			FUEL TYPE				
2023	3 1	PIAI	LT03.0001			LDT4		DEDICATED SINGLE FUEL VEHICLE			GASOLINE				
	USEF	UL L	IFE (miles)		VEH	IICLE EMISS	ION (CATE	GORY	INTERIM / IN	TERMEDIATE IN-USE STD				
EXH	I/ORV	'R	EVAP			FTP		SF	TP	FTP	SFTP				
15	50000		150000		LEV3	ULEV50	LEV	3 C	MPOSITE	*		PM			
SPECIAL FEATURES & EXHAUST EMISSION CONTROL SYSTEMS						L		OBD S	TATUS	EN	ENGINE DISPLACEMENT (L)				
1	TWC, WR-HO2S, HO2S, DFI, TC, CAC								FULL	*					
*				*				P	ARTIAL	ALL MODELS		3.0			
*				*				PAR	TIAL WITH *		1				
EVAPORATIVE & REFUELING (EVAP/ORVR) FAMILY INFORMATION															
EVA	AP / OF	RVR	FAMILY	EVA	PORATIVE	E STD CATE	GORY	Y EVAP EMISSION STD VEHICLE CLASS			SPECIAL FEATURES				
1	PIALR	0180	0001		LEV 3 OPTION2 LDT4 *				LDT4			*			
			·		E	EMISSION CI	REDIT	FINF	ORMATION						
	REDIT	FOR	FLEET AVE. EXTENDED ANTY			EDIT FOR N ZERO-EVAP	ON-P	ZEV NMOG CREDIT FOR DOR			,	OPTIONAL EXH. STD FOR WORK TRUCKS			
		N	ī			N				N		N			
					NMOG	AND FLEET	AVE	RAG		TION					
NMOG RAF	CH4 RAF	-	FTP NMOG/NMHO RATIO		IO/NMHC RATIO	HC NMOG+NOX FLE PC+LDT (0-375 (g/mi)			V) LDT	6+NOX FLEET STD (3751 LVW-8500 /R) + MDPV (g/mi)		MOG+NOX FLEET STD MDV (10,001-14,000 GVWR) (g/mi)			
*	*		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).

BE IT FURTHER RESOLVED:

The listed vehicle models have been certified on the condition that the manufacturer provide all the on-board diagnostic data required by Air Resources Board letters E-23-139 and E-23-246 no later than October 31, 2023. Failure to submit the required demonstration data by the specified date, or failure of the submitted demonstration data to show compliance with the test procedures, shall be cause for the Air Resources Board to revoke this Executive Order and vehicles sold under the revoked conditional certification shall be deemed uncertified and subject to a civil penalty of up to \$45,563 per violation per vehicle pursuant to HSC Section 43154.

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 on this 2/st day of September 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)		NOx (g/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	0.6	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)		
	FUEL ITPE	CERT	STD	CERT	STD	
HWFET @ 50K	*	*	*			
HWFET @ UL	GASOLINE-TIER3 E10 PREM	0.016	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	Έ	NM	IOG+NOx	CO	P	M	NMOG+	NOx	со	NMC)G+NOx	СО	PM	
				(g/mi)	(g/mi)	(៣ք	g/mi)	(g/mi	i)	(g/mi)	(9	g/mi)	(g/mi)	(mg/mi)	
@ 4K	*	CEI	RT	*	*			*		*					
-		ST	D	*	*			*		*					
	GASOLINE @ UL TIER3 E1 PREM		RT	*	*	1	. 9	*		*	0.027		1.2	*	
@ UL			D	*	*		6	*		*	0.063		4.2	*	
		BI	N									.060			
		WHOLE	VEHICI	LE EVAPO	ORATIVE E	MISSION	N STAN	DARDS	AND CI	ERTIFIC	ATION	LEVELS	;		
					WHOLE \	/EHICLE	EVAPC	RATIVE	TESTI	NG					
	EVAPORATIVE FAMILY					3DHS (g/test) @ UL				2DHS (g/test) @ UL				UL	
				CERT	STD	FEL	CER	тε	STD	FEL	FEL CERT			STD	
PIALR0180001		LEV3	LINE- E10 EM	0.292	0.500	*	0.35	8 0	. 500	*		0.00		0.05	



INEOS AUTOMOTIVE LIMITED

ORVR / FUI	EL ONLY / CA	NISTER	BLEED	EVAPOR	RATIVE	EMISSION	I STANDA	RDS ANI	CERTIFIC	ATION LEV	ELS		
				FUEL ONLY EVAP & CANISTER BLEED									
EVAPORATIVE FAMILY	ORVR (g/	FUEL TYPE					RIG TEST st) @ 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	GASOLINE- LEV3 E10 PREM		*	*	*	*	0.006	0.020		
	EFFECTIVE	LEAK D	IAMET	ER STAI	NDARI	D AND CE	RTIFICA	TION LE	VEL (INCH	IES)			
EVAPORATIVE	FAMILY	LEAK FAMILY				CE	RT		STD				
PIALR0180	001	PIALR0	180001	-001		0.0	02		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