Executive Order: A-021-0648 New Passenger Cars, Light-Duty Trucks a	nd
INS INC. Medium-Duty Vehic	es
Page 1 of	4
M	MINS INC. New Passenger Cars, Light-Duty Trucks a Medium-Duty Vehicl Page 1 of

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 GRO	UP IN	FORMAT	ION					
MODE						5)	FUEL CATEGORY			FUEL TYPE			
2017	HC	HCEXD06.78VV MDV4 DEDICATED SINGLE FUEL VEHICLE						DIESEL					
l	USEFUL	LIFE	(miles)	VE	EHICLE EMISSI	ON C	ATEGOR	Y	IN	TERIM / INT	ERMEDIA	TE IN-USE STD	
EXH	EXH/ORVR		EVAP		FTP		SFTP		FTP SFT			SFTP	
15	0000		*	LEV	3 ULEV340		*			*	*		
SPE	CIAL FE	ATUR		AUST EMISS	SION CONTROL	-		OBD ST	TATU	s	ENGINE	DISPLACEMENT (L)	
1	тс, с			, EGRC, OC S, NOXS(2)	, DPF, SCRC, , PMS		FUL	L		*			
*	* PARTIAL								*	6.7			
*				*			PARTIAL		ALI	MODELS			
			EV	APORATIVE	& REFUELING	(EVA	P/ORVR)	FAMILY	INFO	ORMATION		C. C	
EVA	P / ORV	RFAN	MILY	EVAPORATI	VE STD CATEG	ORY		AP EMIS			SPECIA	L FEATURES	
	* *						· · · · · ·			*			
					EMISSION CR	EDIT	INFORM	ATION					
	, А	LLOW	ANCE FO	R TEST GRO	UP		IMOG CR			NMOG CRI		OPTIONAL EXH	
BASE	LINE P	ZEV	AT	PZEV	TZEV	NO	N-PZEV 2	ZERO-E	VAP	DO	R	TRUCKS	
* *					*		N · N			N N			
				NMC	G AND FLEET	AVE	RAGE INF	ORMAT	TION				
NMOG RAF	IOG CH4 NMOG/NMHC HCHO/NMHC DT (3751 LV)				/W-85	FLEET STD NMOG+NOX FLEET ST /-8500 GVW) MDV (8501-10000 GVW) (g/mi) (g/mi)							
*	*		*	*		*		*				*	

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:

For the listed vehicle models, the manufacturer has attested to compliance with Title 13, California Code of

California Environmental Protection Agency	CUMMINS INC.	Executive Order: A-021-0648 New Passenger Cars, Light-Duty Trucks and
OB Air Resources Board	COMMINS INC.	Medium-Duty Vehicles Page 2 of 4

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 are conditionally certified in accordance with 13 CCR Section 1968.2(k) (deficiency and fines provisions for certification of malfunction and diagnostic system) because the on-board diagnostic II (OBD) system of the listed vehicle models has been determined to have seven deficiencies.

The listed vehicle models are approved subject to the manufacturer paying a fine of \$175 per vehicle for the third through seventh deficiencies for vehicles in the listed test group that is produced and delivered for sale in California.

On a quarterly basis, the manufacturer shall submit to the Air Resources Board reports of the number of vehicles produced and delivered for sale in California and pay the full fine owed for that quarter pursuant to this conditional certification. Payment shall be made payable to the State Treasurer for deposit in the Air Pollution Control Fund no later than thirty (30) days after the end of each calendar quarter during the 2017 model-year production period. Failure to pay the quarterly fine, in full, in the time provided, may be cause for the Executive Officer to rescind this conditional certification, effective from the start of the quarter in question, in which case all vehicles covered under this conditional certification for that quarter and all future quarters would be deemed uncertified and subject to a civil penalty of up to \$5000 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 at El Monte, California on this _____ day of July 2016.

Annette Hebert, Chief Emissions Compliance, Automotive Regulations and Science Division

California Environmental Protection Agency

O Air Resources Board

CUMMINS INC.

Executive Order: A-021-0648 New Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles Page 3 of 4

ATTACHMENT

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

 FUEL TYPE
 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

N. Star																
				NMHC+1 (g/mi		(CO (g/mi)			Ox mi)		HCHC mg/m		P (g/i		
	6		C	ERT	STD	CERT	ST		ERT	STD	CER	т	STD	CERT	STD	
FTP@50K		*		*	*	*	*		*	*	*		*	*	*	
FTP@U	L DIES	EL-E	PA 0	139	0.340	0.2	6.4	4 0	0.13	0.2	*		6	0.0001	0.06	
50°F @4	IK	*		*	*	*	*		*	*	*		*			
				FUEL TYPE NMHC+NOx (g/mi)					CO (g/mi)							
				FU		E			CE	RT	STD		CERT		STD	
HWFET	@ 50K				*				* *							
HWFE	T@UL			DI	ESEL-E	PA			0.009 0.340			1. 1.				
20°F (@ 50K				*								*		*	
	and the second		SFT	P EXHA	USTEN	ISSION	STANDA	ARDS	AND CI	ERTIFIC	ATION LE	EVELS	S			
			US06				SC03			COMPO		MPOSITE	OSITE			
	FUEL TY	PE		NMHC+I (g/mi		CO (g/mi)	Pl (mg		NMHC (g/	;+NOx mi)	CO (g/mi)		NMHC+NOx (g/mi)		PM (mg/mi	
0.41	414 +		CERT	*		*	Yet M	1	1		*	1200				
@ 4K				*		*	3 18	12.0	1		*	11				
-		CE		*		*		ł	1	ł	*		*	*	*	
@ UL	*		STD	*		*		ł –	1	*	*		*	*	*	
		BI		0	1.	- Surah	1 2 2 3			and a start	and an and a second		*		Conk - Start	
		WH	OLE VE	HICLE E	APOR	ATIVE E	MISSION	STAN	DARD	S AND C	ERTIFIC	ATION	LEVEL	S		
					W	HOLE V	EHICLE	EVAPO	ORATI	E TEST	ING					
EVAPORATIVE FAMILY FUEL		I FUEL LYPE J JUES (d/test) (d) UL			2DHS (g/test) @ UL			RL		. (g/mi) @ UL						
				CE	RT	STD	FEL	CER	T	STD	FEI	_	CER	г	STD	
*			*			*	*	*	* *		*	r		* *		
C	RVR / FL	JEL (ONLY / C	ANISTER	BLEE	DEVAP	ORATIVE	EMIS	SION S	TANDA	RDS AND	CER	TIFICAT	ION LEV	ELS	
		1						FU	EL ON	LY EVA	P & CAN	ISTER	R BLEED			
EVAPORATIVE				/gallon)	@ UL	FUE	FUEL TYPE		BDHS RIG TEST (g/test) @ UL		2DHS RIG (g/test) (D CANISTER (g/test) @ 4K	
		FU	EL TYPE	CERT	STD			CEI	RT	STD	CERT		STD	CERT	STD	
	*		*	*	*		*	*		*	*		*	*	*	

 California Environmental Protection Agency
 CUMMINS INC.
 Executive Order: A-021-0648

 Cummins Environmental Protection Agency
 CUMMINS INC.
 Executive Order: A-021-0648

 California Environmental Protection Agency
 CUMMINS INC.
 Executive Order: A-021-0648

 Com Air Resources Board
 Cummins Inc.
 Executive Order: A-021-0648

 Page 4 of 4
 Page 4 of 4

: not applicable; #: pounds; UL: useful life; PC: passenger car; LDT: light-duty truck; LDT1: LDT<6000#GVWR,0-3750#LVW; LDT2: LDT<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; PZEV: partial ZEV; AT PZEV: advanced technology PZEV; 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; 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; 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; 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; 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

2017 MODEL YEAR: VEHICLE MODELS INFORMATION

MAKE	MODEL	VEH CLASS	ENGINE (L)	TRANS TYPE	EVAPORATIVE FAMILY	EXH ECS	OBD	PZEV TYPE
RAM	RAM 2500 4X2	MDV4	6.7	A6	*	1	\$	*
RAM	RAM 2500 4X2	MDV4	6.7	M6	*	1	\$	*
RAM	RAM 2500 4X4	MDV4	6.7	A6	*	1	\$	*
RAM	RAM 2500 4X4	MDV4	6.7	M6	*	1	\$	*
RAM	RAM 3500 4X2	MDV4	6.7	A6	*	1	\$	*
RAM	RAM 3500 4X4	MDV4	6.7	A6	*	1	\$	* -