California Environmental Protection Agency	VOLKSWAGEN GROUP	
Ø Air Resources Board	OF AMERICA, INC.	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 GROUP INFORMATION										
MODE YEAR						5)	FUEL CATEGORY			FUEL TYPE	
2016	GVGA	.V01.4VUP			PC		DEDICATED VE	SINGLE F HICLE	UEL	GA	SOLINE
	USEFUL L	IFE (miles)		VEHIC	CLE EMISSI	ON CATE	GORY	INTERIN	1 / INT	ERMEDIAT	E IN-USE STD
EXH	/ORVR	EVAP		FT	ſP	SF	ТР	F	TP		SFTP
12	0000	150000		LEV2	ULEV		2 SFTP NDARD		*		*
SPECIAL FEATURES & EXHAUST EMISSION CONTROL SYSTEMS							OBD S	TATUS		ENGINE	DISPLACEMENT (L)
1	WU-TWC,	TWC, WR-HO	D2S,	HO2S, DFI	I, TC, CAG		FULL	*			
*			*				PARTIAL	ALL MOD	ELS		1.4
* * PARTIAL WITH *											
		EV	APOR	ATIVE & R	EFUELING	(EVAP/OF	RVR) FAMILY	Y INFORMA	TION		
EVA	P / ORVR	FAMILY	EVAP	ORATIVE	STD CATEG	ORY		SSION STD E CLASS		SPECIAI	FEATURES
G	VGAR011	VBD		LEV	7 2		PC			*	
				ÊN	ISSION CR	EDIT INF	ORMATION				
	ALL	OWANCE FO	R TES	ST GROUP						OPTIONAL EXH. STD FOR WORK	
BASE	ELINE PZE	V AT	PZEV		TZEV						TRUCKS
	* * * N N N										N
NMOG AND FLEET AVERAGE INFORMATION											
NMOG RAF CH4 RAF FTP NMOG/NMHC HC			HCHO/NM	HC RATIO PC+LDT (0-			0-3750 LVW) LDT (3		OX FLEET STD 751 LVW-8500 + MDPV (g/mi)		
1.0	00	*	1.0)4	0.0)30		0.093			0.110

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.

California Environmental Protection Agency	VOLKSWAGEN GROUP	
Air Resources Board	OF AMERICA, INC.	Medium-Duty Vehicles Page 2 of 4

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 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 _____day of July 2015.

nnette Hebert, Chief

Enissions Compliance, Automotive Regulations and Science Division

California Environmental Protection Agency.

OB Air Resources Board

VOLKSWAGEN GROUP OF AMERICA, INC. Executive Order: A-413-0054 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)

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

10				
21			-	
12.12	FL	IEL	TY	PE

								and the first second					
			NMOG (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	TI	ER 2 EADED	0.0140	0.040	0.23	1.7	0.021	0.05	*	8	*	*	
FTP@UL	TI	ER 2 EADED	0.0214	0.055	0.41	2.1	0.030	0.07	+	11.	0.001	0.01	
50°F @4K	TI	LINE - ER 2 LEADED	0.0569	0.080	0.51	1.7	0.017	0.05	1.6	16			
							NOx (g/mi)		mi)	CO ((g/mi)	
			FUEL TYPE					RT	STD	CEF	RT	STD	
HWFET @ 50K HWFET @ UL		GASOLINE - TIER 2 UNLEADED					0.0	800	0.07				
			GASOLINE - TIER 2 UNLEADED					017	0.09				
20°F @	50K	G	ASOLINE-C	OLD CO	HIGH OCT	ANE				0.94		10.0	

SFTP EXHAUST EMISSION STANDARDS AND CERTIFICATION LEVELS

and and a second				US06		SC03	3	COM	POSITE	
- 32	FUEL TYP	E	NMHC+NOx (g/mi)	CO (g/mi)	PM (mg/mi)	NMHC+NOx (g/mi)	CO (g/mi)	NMHC+NOx (g/mi)	CO (g/mi)	PM (mg/mi
	GASOLIN	E CERT	0.020	1.51		0.024	0.19			
@ 4K	- TIER UNLEADE		0.14	8.0		0.20	2.7			
		CERT	*	*	*	*	*	*	*	*
@ UL	*	* STD		* * *		* *		*	*	*
		BIN						*		42
	V	VHOLE VE	HICLE EVAPO	RATIVE EM	ISSION STA	NDARDS AND	CERTIFIC	ATION LEVELS	S	
				WHOLE VE	HICLE EVA	PORATIVE TES	TING			
EVAPORATIVE FAMILY GVGAR0110VBD		FUEL TY	PE 3DHS (g/test) @ UL			2DHS (g/test	RL (g/mi) @ UL		UL	
				STD	FEL CE	RT STD	FE	L CERI	CERT	
		GASOLINE PHASE	0 264 1	0.50	* 0.	254 0.65	*	0.00	0.00 0	

ORVR / FUEL ONLY / CANISTER BLEED EVAPORATIVE EMISSION STANDARDS AND CERTIFICATION LEVELS FUEL ONLY EVAP & CANISTER BLEED EVAPORATIVE FAMILY FUEL ONLY EVAP & CANISTER BLEED FUEL ONLY EVAP & CANISTER BLEED FUEL TYPE CERT STD CERT<	California Envi					OF AMERICA, INC.			Light-Duty 7 Medium-Dut	Frucks and	
EVAPORATIVE FAMILY ORVR (g/gallon) @ UL TUEL TYPE 3DHS RIG TEST (g/test) @ UL 2DHS RIG TEST (g/test) @ UL BLEED CANISTER TEST (g/test) @ 4K GVGAR0110VED FUEL TYPE CERT STD <td colspan="11">ORVR / FUEL ONLY / CANISTER BLEED EVAPORATIVE EMISSION STANDARDS AND CERTIFICATION LEVELS</td>	ORVR / FUEL ONLY / CANISTER BLEED EVAPORATIVE EMISSION STANDARDS AND CERTIFICATION LEVELS										
FAMILY FUEL TYPE FUEL TYPE (g/test) @ UL (g/test) @ UL TEST (g/test) @ 4K GVGAR0110VBD GASOLINE - TIER 2 0.01 0.20 *											
FUEL TYPE CERT STD CERT		ORVR (g/g	gallon) (D UL				1			
GVGAR0110VBDTIER 2 UNLEADED0.010.20** <th></th> <td>FUEL TYPE</td> <td>CERT</td> <td>STD</td> <td></td> <td></td> <td></td> <td></td> <td><u></u></td> <td></td> <th></th>		FUEL TYPE	CERT	STD					<u></u>		
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: medium- duty passenger 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; TVVC/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/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:		TIER 2	0.20	*	*	*	*	*	*	×	
	duty passenger ver vehicle weight ratir super ULEV; ZEV: TWC/OC: 3-way/or adsorption catalyst oxidation catalyst; ignited engine; HO sensor; PMS: PM s cooler; AIR/AIRE: DFI/IFI: direct/indir diagnostic; DOR: co CNG/LNG: compre- ethanol ("90%"gas continuously variat	hicle; ECS: en ng; LVW: loade zero-emission xidizing catalys ; SCR-U or SC CTOX/PTOX: 2S/O2S: heate sensor; RDQS secondary air ect fuel injectio direct ozone re essed/liquefied oline) fuel; A: a ole transmissio	nission c ed vehicle st; ADST CRC/SCI continuc ed/oxyge reducta injection on; TC/S ducing; I natural automati on; SCV:	ontrol sy e weight ; PZEV: WC: ad: R-N or S bus/perice en senso ant qualit (belt drir C: turbo HCT: hyo gas; LPC c (with lo selectal	stem; CERT: cer t; ALVW: adjusted partial ZEV; AT P sorbing TWC; HA CRC-NH3: selec idic trap oxidizer; r; WR-HO2S or A ty sensor; NH3S: ven)/(electric driv /super charger; C drocarbon trap; B G: liquefied petrol pockup); M: manu- ble continuously	tification; S d LVW; LEV ZEV: adva C: HC adso tive catalyti DPF: diese AFS: wide ra ammonia s en); PAIR CAC: charge CAN: bleed leum gas, B al transmiss variable transmiss	TD: standa /: low emis: nced techn orbing cata c reduction el particulat ange/linear, ensor; EGf pulsed AIR e air cooler; d carbon ca 855: "85%" sion; SA: se	rd; FEL; fai sion vehicle ology PZE lyst; WU: w -urea/amm e filter (acti /heated air R: exhaust ; SFI/MFI: s F/P/\$: full/ nister; pref ethanol ("1	mily emissi e; ULEV: ul V; TZEV: tri varm-up cat onia; NH3(ve); GPF: F -fuel ratio s gas recircu sequential/ partial/part ix 2: paralle 5%"gasolin atic transmi	on limit; GV tra LEV; SU ansitional Z alyst; NAC: DC: ammon PM filter for ensor; NO) ilation; EGR multiport fue ial with fine el; (2) suffix: ie) fuel; E10 ssion; CV:	WR: gross JLÉV: EV; NOx ia spark- XS: NOx RC: EGR el injection; s on-board s series; D: "10%"

MAKE	MODEL	VEH CLASS	ENGINE (L)	TRANS TYPE	EVAPORATIVE FAMILY	EXH ECS	OBD	PZEV TYPE
VOLKSWAGEN	JETTA	PC	1.4	SA6	GVGAR0110VBD	1	P	*