

VOLVO CAR CORPORATION

EXECUTIVE ORDER A-018-0122
New Passenger Cars, Light-Duty Trucks
and Medium-Duty Vehicles

Pursuant to the authority vested in the Air Resources Board by Health and Safety Code (HSC), Div. 26, Part 5, Chap. 2; and pursuant to the authority vested in the undersigned by HSC Sections 39515-39516 and Executive Order G-02-003;

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.

YEA	MODEL TEST GRO				M	VEHICLE TYPE C=passenger car; LDT=light-duty truck; DV=medium-duty vehicle; LVW=loaded vehicle weight; ALVW=adjusted LVW)	CATEGOR vehicle:	EMISSION STAND. Y (LEV=low emis TLEV= transitional LEV LEV; SULEV=super UI	sion	EXHAUST / EVAPORATIVE USEFUL LIFE (UL) (miles)	FUEL TYPE (CNG/LNG=compressed/ liquefied natural gas; LPG=liquefied petroleum gas)			
2003 3VVXT2.92U				1T		LDT: 3,751 - 5,750 pounds LVW		ULEV		100K / 100K	Gasoline			
No.			TIVE VAF)		No.	SPECIAL FEATURES EMISSION CONTROL SYSTEM	& /IS (ECS)	* = not applicable	oc	/TWC=oxidizing/3-way	cat. ADSTWC=adsorbing TWC			
1	3VVX	(R013	0133AAA			TWC, 2HO2S, HAFS, S			J= Warm-up cat. O2S/H	O2S=oxygen sensor/heated O2S ensor/heated AFS EGR=exhaust				
2		*			2	*	, , , , , , , , , , , , , , , , , , , ,		AIR MFI/SFI= multiport fuel injection/sequential MFI AIR MFI/SFI= multiport fuel injection/sequential MFI TBI= throttle body injection TC/SC=turbo /supor-sequential					
3		•			3	•		ТВ						
4		*	•		4	. *		∥CA	CAC=charge air cooler OBD (F) / (P)=full /partial on-board diagnostic prefix 2=parallel (2) suffix=series					
EVAI No.		CS No.	ENGI SIZE			VEHICLE VEH	ICLES SUB.	JECT TO SFTP	I''I	REVIATIONS:	(a) carries			
1	1 2.9		 	MARES & MODELS STAT	NUARUS AR	E UNDERLINED								
*	* *			1-	Volvo XC 90 AWD									
*		*	*		+			*						
-					+-	•								
			-					*						

The exhaust and evaporative emission standards (STD) and certification emission levels (CERT) for the listed vehicles are as follows (compliance with the 50 °F testing requirement (for TLEV, LEV, ULEV, SULEV) may have been met based on the manufacturer's submitted compliance plan in lieu of testing). Any debit in the manufacturer's "NMOG Fleet Average" (PC and LDT) or "Vehicle Equivalent Credit" (MDV) compliance plan shall be equalized as required. (For bi-, dual- or flexible-fueled vehicles, the STD and CERT in parentheses are those applicable to testing on gasoline test fuel.)

AVE	OG FI RAGE	[g/mi]		RAF=0.94 AF = *	NMOG or									arbon mond			
CER	CERT STD		NMOG CERT	NMHC	NMHC STD [g/mi]	mg≖millig	ram mi=	- [Aumil-ini	nning loss 000 miles	OKVK	[g/gailon	dispensed] ahrenheit	=on-board	ent factor refueling var plemental fe	Or recovery	g=gram	
0.04	4	0.093 CERT CERT [g/mi]				CERT			x [g/mi]			mg/mi]	РМ [[g/mi]	Hwy NOx [g/mi]		
10.000	- 1 W	r <u></u>		101	+	CERT	STD	CERT	STE) (ERT	STD	CERT	STD	CERT	STD	
10		@ 50K	0.027	*	0.050	0.3	2.2	0.1	0.4		0.4	9	*	*	0.01	0.5	
37.		@ UL	0.029	•	0.070	0.5	2.8	0.1	0.5		0.5	13	*	*	0.01	0.7	
1	@ 50	°F & 4K	0.065	*	0.100	0.3	2.2	0.03	0.4		0.4	18	*	*	*	*	
CO [@ 20	°F&	SFTP 1 = @ 4K (SULEV, ULEV, LEV) or 50K (Tier 1, TLEV)			NMHC+NC (compo			NMHC+NC [g/mi] [US0				NMHC+NOx [g/mi] [SC03]		CO [g/mi] [SC03]			
-	50K		SFTP 2 = @ UL (Tier 1, TLEV)		CERT	STD	CERT	STD	CERT	STD	CE	RT STE			CERT	STD	
CERT	2.4	1	# 4	SFTP 1	*	*	*	*	0.06	0.25	1.	2 10.	5 0.01	0.27	0.2	3.5	
STD	12.5			SFTP 2	•	*	*	*	*	*	•	•	•	*	*	*	
@ UL		VAPOR	ATIVE FAM	ILY 1	EVAPORATIVE FAMILY 2				EVAPORATIVE FAMILY 3				F	EVAPORATIVE FAMILY 4			
	3-D	2-0	RL	ORVR	3-D	2-D	RL	ORVR	3-D	2-D	RL	ORV		2-D	RL	ORVR	
CERT	0.9	1.8	0.00	0.001	*	. •	*	•	*	*	+ '\-	*	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	¥ *	RL .	URVR	
STD	2.0	2.5	0.05	0.20	*	*	*	*	*	•	-			-	 	-	

BE IT FURTHER RESOLVED: That 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], 1968.1 [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 Exhaust Emission Standards and Test Procedures for 2001 and Subsequent Model PC, LDT and MDV).

day of October 2002.

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 2474

Allen Lyons, Chief

Mobile Source Operations Division