State of California AIR RESOURCES BOARD

EXECUTIVE ORDER A-22-87 Relating to Certification of New Motor Vehicles

SAAB AUTOMOBILE AB

Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapter 2; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-45-9;

IT IS ORDERED AND RESOLVED: That 1999 model-year Saab Automobile AB exhaust emission control systems are certified as described below for passenger cars: chould be I

Fuel Type: Gasoline

Engine Family: XSAXV02.3TDI / Displacement: 2.3 Liters (141 Cubic Inches)

Exhaust Emission Control Systems & Special Features:

Sequential Multiport Fuel Injection Heated Oxygen Sensors (two) Three Way Catalytic Converter Turbocharger Charge Air Cooler

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

The certification exhaust emission standards for this engine family in grams per mile are:

<u>Miles</u>	Non-Methane	Carbon	Nitrogen	Carbon	
	<u>Hydrocarbons</u>	<u>Monoxide</u>	<u>Oxides</u>	<u>Monoxide (20°F)</u>	
50,000	0.25	3.4	0.4	10.0	
100,000	0.31	4.2	0.6	n/a	

The certification exhaust emission values for this engine family in grams per mile are:

Miles	Non-Methane	Carbon	Nitrogen	Carbon	
	<u>Hydrocarbons</u>	<u>Monoxide</u>	<u>Oxides</u>	<u>Monoxide (20°F)</u>	
50,000	0.08	1.1	0.2	5.0	
100,000	0.09	1.3	0.2	n/a	

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying the listed vehicle models to the running loss and useful life standards applicable to 1995 and subsequent model-year vehicles in the "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Motor Vehicles," and the listed vehicle models comply with those standards.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" for the aforementioned model year (Title 13, California Code of Regulations, Section 2235).

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high-altitude requirements and highway emission standards, and with the California Inspection and Maintenance emission standards in place at the time of certification, as stipulated in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles."

BE IT FURTHER RESOLVED: That the manufacturer is certifying the listed vehicle models with a partially complying on-board diagnostic system for the aforementioned model year pursuant to Title 13, California Code of Regulations, Section 1968.1(m)(6.2) ("Malfunction and Diagnostic System Requirements--1994 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles and Engines.")

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "California Motor Vehicle Emission Control and Smog Index Label Specifications" for the aforementioned model year (Title 13, California Code of Regulations, Section 1965).

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying the listed vehicle models to the "California Refueling Emission Standards and Test Procedures for 1998 and Subsequent Model Motor Vehicles," Title 13, California Code of Regulations, Section 1978, and the listed vehicle models comply with those standards.

BE IT FURTHER RESOLVED: That for the listed vehicles, the manufacturer has submitted and the Executive Officer hereby approves the materials to demonstrate certification compliance with the Board's emission control system warranty provisions (Title 13, California Code of Regulations, Section 2035 et seq.).

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California this 17th day of May 1999.

R. B Summerfield, Chief Mobile Source Operations

Page 1

1999 MODEL-YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Exh Std: CA Veh Class(es) Single Cert S Fuel Type(s): Exh Emiss Tes Evaporative E Service Accum	Saab Automobile codes in Engine Fa Tier-1_XTLE : PC_XLDT1_ code for Multi-Cla Dedicated_X CNGLNG t Fuel(s): Indo Dies mission Test Pro : Std AMA_X cedure: N/A_X cration: I-4	Std_	CA 498 LEV MD am:N/A_(1 Dua CNG CCR 2282_ Californ Mfr Equiv	ULEV	S_X_AB965, SULEV MDV2MDV TO N/A, LDT1, Bi-Fuel (specify) M85 CFR 86.113-90 Federal Other (spe	ORVR:, US E. /3 MDV4_ MDV1, MDV2, Gasoline_ Other (spec	YES_X NO PA Tier-1_X MDV5 , MDV3, MDV4) X Diesel_ cify) 86.113-94
Valves per Cy	linder: 4		Rated	/ 3 HD.	hiters <u>l</u>	41 /	Cubic Inches
midrue: LtOU	X Mid I	Rear	Drive _TWC. HO2	S(2) .	V Dr.m	4WD-FT	4WD-PT
(also list	Vehicle Models (if coded see attachment)	/ME 34	ETW	DPA	Ignition	EGR	Catalytic
B235R (50ST)	9-3 Viggen Coupe or Con- vertible	MS	į.	1	47 80 656	1	49 62 072

Date Issued: 3/30/99 Revisions: