

Joseph J.

 California Environmental Protection Agency AIR RESOURCES BOARD	APRILIA S.p.A.	EXECUTIVE ORDER M-43-4 New On-Road Motorcycles
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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 the following 2001 model-year engine and emission control systems (ECS) produced by the manufacturer are certified as described below for four-stroke gasoline-powered motorcycles:

<u>Engine Family</u>	<u>Evaporative Family</u>	<u>Displacement (cm³)</u>	<u>Class</u>	<u>ECS & Special Features</u>
1ASPC0.99MEA	1ASPE0024MLA	998	III	OC, SFI

Vehicle Models (Equivalent Inertia Mass): SL 1000, RSV 1000, RSV 1000R (300 kg each model)

Production motorcycles shall be in all material respects the same as those for which certification is granted.

The exhaust emission standards and certification values in grams per kilometer for hydrocarbons (HC) and carbon monoxide (CO), and the HC evaporative (Evap) standard and certification value in grams per test for this engine/evaporative family are as follows:

	<u>HC</u>	<u>CO</u>	<u>Evap HC</u>
<u>Standard:</u> (Effective Standard)	1.4	12	2.0 (1.8)
<u>Certification:</u>	0.6	2	1.0

BE IT FURTHER RESOLVED: That the Executive Officer has been provided all material required to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Code of Regulations, Section 2035 et seq.).

BE IT FURTHER RESOLVED: That because the listed motorcycles are certified to 0.2 grams per test or more below the applicable evaporative emission standard, the vehicles are exempt from complying with the Air Resources Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" pursuant to Executive Order G-70-16-E.

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

Executed at El Monte, California this 23rd day of March 2001.

Raphael Summerfield
 per R. B. Summerfield, Chief
 Mobile Source Operations Division

Motorcycle Engine Family Information Form

1. Manufacturer: **Aprilia S.p.A.**
2. Certification Contact Person, address, phone, and fax:

Kathleen H. Wolf Harrison / Wolf 1275 N. Indian Hill Blvd. Claremont, CA 91711	tel. (909) 626-1395 fax (909) 626-2906
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|---|---|
| <ol style="list-style-type: none"> 3. Model Year: 2001 4. Process Code: new
(new, correction, revision, r/c, l/f. etc.) 5. Engine Family: IASPC0.99MEA
 50s Engine Code: _____
 49s Engine Code: _____
 Calif. Engine Code: _____ 6. Emission Control System: OC, SFI 7. Calif. Designated Standard: 8. Projected Annual Sales:
 <div style="text-align: center; font-size: 2em; opacity: 0.5; font-weight: normal;">CONFIDENTIAL</div> 9. New Technology ___ Yes X No
 If yes, cite the correspondence or reference the submittal document: _____ | <ol style="list-style-type: none"> 10. Displacement: 998 cc 11. Number of Cylinders: 2 12. Cylinder Arrangement: 60°V 13. Cylinder Head Configuration: DOHC 14. Type of Cooling: liquid 15. Combustion Cycle: 4-stroke 16. Method of Aspiration: natural 17. Fuel System: SFI 18. Number of Catalytic Converters: 2
 <div style="text-align: right;">(one per muffler)</div> |
|---|---|

19. Adjustable Parameters: **N/A**

Parameter(s)	Adjustable Range (or NA)	Tamper Resistance Method (or NA)	Method Approved

20. AECDs In the Emission Control Systems:

Exhaust System	Evaporative System
AECDs In System: _____ _____ _____ _____ _____	AECDs In System: _____ _____ _____ _____ _____

Issued:

Revised:

E.O.#: M-43-4

Engine Family: 1ASPC0.99MEA

Motorcycle Test Information Form

0.12

27. Are you carrying over test results from a previously certified family? ___ Yes X No
 a) If yes, indicate family name: _____
 b) Is the family being certified identical to the family from which the data is being carried over? _____

28. Model Designation of Test Vehicle: SL 1000
 29. Test Information Number: 1
 30. Vehicle ID: ZD4PAC000YS100001
 31. Service Accumulation Duration: 15,000 (km)
 32. Maximum Rated Power: 65 kW @ 8,500 RPM
 33. Displacement: 998 cc
 34. Certification Fuel: Indolene
 35. Test Data Set: 001

36. Road Load: 135.4 nt
 37. Inertia Mass: 300
 38. N/V: 37.0
 39. EVAP. Bench Test Method Approved:
 Date: N/A
 Reference: _____
 40. Unscheduled Maintenance: ___ Yes X No
 41. If yes, Vehicle Log provided: _____

42. Exhaust Emission Deterioration Factors:

Test Number	System Kilometers	Emission Values	
		HC	CO
1	3516	0.939	6.680
2	8036	0.890	6.878
3	8076	0.709	3.618
4	14814	0.630	1.737
5			
6			
7			
Interpolated Values at 15000 km:		HC = 0.618	CO = 1.866
Extrapolated Values at 30000 km:		HC = 0.211	CO = -4.853

Check one:	
Regular DF	X
Modified DF	
If different vehicle specify vehicle ID	

43. Emission Test Results:

Official Test Results		Test 1	Test 2	Test 3	Test 4
g/km	CO	1.737			
g/km	CO ²	128.671			
g/km	HC	0.630			
g/test	Evap.	0.512			

Deterioration Factors
(X) 1.000

(X) 1.000
(+) 0.5

44. Certification Levels:

g/km	CO	1.737			
g/km	HC	0.630			
g/test	Evap.	1.012			

Application Processed by: Joseph Jegede
 Reviewed by: K. Pryor

Date: 3/23/01
 Date: 3/23/01