

Joseph J.

 California Environmental Protection Agency AIR RESOURCES BOARD	APRILIA S.p.A.	EXECUTIVE ORDER M-43-3 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>
1ASPC0.65MLA	1ASPE0024MLA	652	III	20C

Vehicle Models (Equivalent Inertia Mass): Pegaso 650 (280 kg)

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:

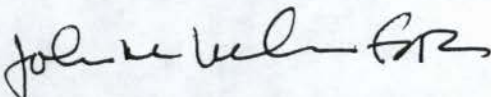
	<u>HC</u>	<u>CO</u>	<u>Evap HC</u>
<u>Standard: (Effective Standard)</u>	1.0	12	2.0 (1.8)
<u>Certification:</u>	0.3	4	1.0

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 3RD day of November 2000.


 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 Consulting 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, f/f. etc.) 5. Engine Family: 1ASPC0.65MLA
 50s Engine Code: _____
 49s Engine Code: <u> X </u>
 Calif. Engine Code: <u> X </u> 6. Emission Control System: 20C 7. Calif. Designated Standard: N/A 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: 651.88 11. Number of Cylinders: 1 12. Cylinder Arrangement: 15° vertical 13. Cylinder Head Configuration: single-cylinder OHC 14. Type of Cooling: liquid 15. Combustion Cycle: 4-stroke 16. Method of Aspiration: natural 17. Fuel System: carburetor 18. Number of Catalytic Converters: 2 |
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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: **N/A**

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

Issued:
Revised:

Engine Family: 1ASPC0.65MLA

Motorcycle Test Information Form

0.050

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: **Pegaso 650**
 29. Test Information Number: **2129**
 30. Vehicle ID: **ZD4ML0000WS103510**
 31. Service Accumulation Duration: **15,000 (km)**
 32. Maximum Rated Power: **32 kW @ 6250 RPM**
 33. Displacement: **652 cc**
 34. Certification Fuel: **Indolene**
 35. Test Data Set: **1**

36. Road Load: **131.4**
 37. Inertia Mass: **280**
 38. N/V: **43.1**
 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	3480	0.538	9.936
2	7992	0.488	6.389
3	8808	0.502	7.279
4	14880	0.275	4.463
5			
6			
7			
Interpolated Values at 15,000 km:		HC = 0.296	CO = 4.046
Extrapolated Values at 30,000 km:		HC = 0.066	CO = 2.904

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	4.463			
g/km	CO ²	0.121			
g/km	HC	0.275			
g/test	Evap.	0.545			

Deterioration Factors
(X) 1.0

(X) 1.0
(+) 0.5

44. Certification Levels:

g/km	CO	(4.463)		
g/km	HC	(0.275)		
g/test	Evap.	(1.045)		

Application Processed by: *Joseph Jegede* Date: *10/31/2000*
 Reviewed by: *[Signature]* Date: *10/31/00*