



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>
1MGXC1.06KRA	1MGXE0015P01	1064	III	TBI

Vehicle Models (Equivalent Inertia Mass): V11 Sport (310 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:

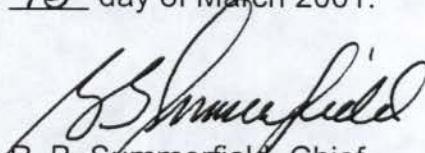
	<u>HC</u>	<u>CO</u>	<u>Evap HC</u>
<u>Standard:</u> (Effective Standard)	1.4	12	2.0 (1.8)
<u>Certification:</u>	1.3	8	0.8

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 15th day of March 2001.


R. B. Summerfield, Chief
Mobile Source Operations Division

E.O. #: M-19-21

Motorcycle Engine Family Information Form

1. Manufacturer: Moto Guzzi SpA
2. Certification Contact Person, address, phone, and fax:

Emily Banks
Moto Guzzi North America, Inc.
455 West Depot St.
Angier, NC 27501
(919) 639-3180
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fax: (540) 829-0137

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|---------------------------------------|--------------------------------------|-------------------------------------|--|
| 3. Model Year: | <u>2001</u> | 10. Displacement: | <u>1064 cm³</u> |
| 4. Process Code: | <u>New</u> | 11. Number of Cylinders: | <u>2</u> |
| 5. Engine Family: <u>1MGXC1.06KRA</u> | | 12. Cylinder Arrangement: | <u>90° V</u> |
| 50s Engine Code: | <u>none</u> | 13. Cylinder Head Configuration: | <u>overhead cam, 2 valves/cylinder</u> |
| 49s Engine Code: | <u>none</u> | 14. Type of Cooling: | <u>air</u> |
| Calif. Engine Code: | <u>none</u> | 15. Combustion Cycle: | <u>4-stroke</u> |
| 6. Emission Control System: | <u>TBI</u> | 16. Method of Aspiration: | <u>natural</u> |
| 7. Calif. Designated Std.: | <u>—</u> | 17. Fuel System: | <u>TBI, 2 injectors</u> |
| 8. Projected Annual Sales: | <u>CA: _____</u>
<u>49-state:</u> | 18. Number of Catalytic Converters: | <u>none</u> |
| 9. New Technology: | <u>None</u> | | |
19. Adjustable Parameters:
None.
20. AECDS in the Emission Control Systems:
None.

E.O.#: M-19-21

Engine Family: IMGXC1.06KRA

Motorcycle Test Information Form

0.1

27. Are you carrying over test results from a previously certified family? Yes
 a) If yes, indicate family name: KR
 b) Is the family being certified identical to the family from which the data is being carried over? Yes

28. Model Designation of Test Vehicle: V11 Sport

36. Road Load: 143 N

29. Test Information Number: Not applicable

37. Inertia Mass: 340 kg

30. Vehicle ID: 00 KR 01

38. N/V: 34.7

31. Service Accumulation Duration: 15.385 km

39. EVAP. Bench Test Method Approved:
Not applicable.

32. Maximum Rated Power: 67 kW @ 7800 RPM

40. Unscheduled Maintenance: No

33. Displacement: 1064 cc

34. Certification Fuel: Conform

41. If yes, Vehicle Log provided: Not applicable

35. Test Data Set: 00 KR 01

42. Exhaust Emission Deterioration Factors:

Test Number	System Kilometers	Emission Values	
		HC	CO
1	3520	1.209	8.595
2	6460	1.070	5.800
3	6520	1.110	6.506
4	11990	1.236	6.359
5	12075	1.194	7.231
6	15315	1.218	5.671
7	15385	1.220	9.214
Interpolated values at 15,000 km:		HC = 1.216	CO = 7.040
Extrapolated values at 30,000 km:		HC = 1.330	CO = 6.998

Check one:	
Regular DF	<input checked="" type="checkbox"/>
Modified DF	<input type="checkbox"/>
If different vehicle specify vehicle ID	

43. Emission Test Results:

Official Test Results		Test 1	Test 2	Test 3	Test 4
g/km	CO	9.214	7.921		
g/km	CO ₂	111.65	99.20		
g/km	HC	1.220	1.164		
g/test	Evap.	0.27			

Deterioration Factors	
(X)	1.000

(X)	1.094
(+)	0.5

44. Certification Levels:

g/km	CO	<u>9</u>	<u>8</u>		
g/km	HC	<u>1.3</u>	<u>1.3</u>		
g/test	Evap.	<u>0.8</u>			

Application processed by: Joseph Tegede Date: 3/13/01

Reviewed by: K. Pryor Date: 3/14/01