


Joseph J.

	MOTO GUZZI S.p.A.	EXECUTIVE ORDER M-19-19 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 (cm<sup>3</sup>)</u>	<u>Class</u>	<u>ECS &amp; Special Features</u>
1MGXC1.06KDB	1MGXE0015M01	1064	III	TBI

Vehicle Models (Equivalent Inertia Mass): Jackal, V11 EV, California Special (all 340 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:

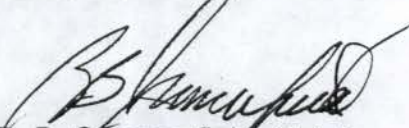
	<u>HC</u>	<u>CO</u>	<u>Evap HC</u>
<u>Standard: (Effective Standard)</u>	1.4	12	2.0 (1.8)
<u>Certification:</u>	1.2	11	1.5

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 15<sup>th</sup> day of March 2001.

  
R. B. Summerfield, Chief  
Mobile Source Operations Division

E.O. #: M-19-19

## 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  
ebanks@motoguzzi-us.com  
fax: (919) 639-0753

William G. Allen, Jr., P.E.  
Transportation Consultant  
P.O. Box 118  
Mitchells, VA 22729-0118  
(540) 829-0124  
wgallen@summit.net  
fax: (540) 829-0137

3. Model Year: 2001

4. Process Code: New

5. Engine Family: 1MGXC1.06KDB

50s Engine Code: none

49s Engine Code: none

Calif. Engine Code: none

6. Emission Control System: TBI

7. Calif. Designated Std.: ---

8. Projected Annual Sales: CA:  
49:

9. New Technology: None

10. Displacement: 1064 cm<sup>3</sup>

11. Number of Cylinders: 2

12. Cylinder Arrangement: 90° V

13. Cylinder Head Configuration:  
overhead cam, 2 valves/cylinder

14. Type of Cooling: air

15. Combustion Cycle: 4-stroke

16. Method of Aspiration: natural

17. Fuel System: TBI, 2 injectors

18. Number of Catalytic Converters:  
none

19. Adjustable Parameters:

None.

20. AECDS in the Emission Control Systems:

None.

E.O. #: M-19-19

Engine Family: IMGXC1.06KDB

Motorcycle Test Information Form

0.245

27. Are you carrying over test results from a previously certified family? Yes  
 a) If yes, indicate family name: KD  
 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 EV  
 29. Test Information Number: Not applicable  
 30. Vehicle ID: 94 KD 01  
 31. Service Accumulation Duration: 15,038 km  
 32. Maximum Rated Power: 55 kW @ 6400 RPM  
 33. Displacement: 1064 cc  
 34. Certification Fuel: Conform  
 35. Test Data Set: 94 KD 01

36. Road Load: 143 N  
 37. Inertia Mass: 340 kg  
 38. N/V: 34.7  
 39. EVAP. Bench Test Method Approved: Not applicable.  
 40. Unscheduled Maintenance: No  
 41. If yes, Vehicle Log provided: Not applicable

42. Exhaust Emission Deterioration Factors:

Test Number	System Kilometers	Emission Values	
		HC	CO
1	3560	0.892	10.030
2	6470	0.986	11.537
3	6510	0.923	9.568
4	12430	1.117	8.999
5	12462	0.870	8.970
6	15020	0.933	10.743
7	15038	1.046	11.128
Interpolated values at 15,000 km:		HC = 1.001	CO = 10.144
Extrapolated values at 30,000 km:		HC = 1.109	CO = 10.159

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	11.128			
g/km	CO <sub>2</sub>	119.04			
g/km	HC	1.046			
g/test	Evap.	0.96			

Deterioration Factors	
(X)	1.001
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(X)	1.108
(+)	0.5

44. Certification Levels:

g/km	CO	<u>11</u>			
g/km	HC	<u>1.2</u>			
g/test	Evap.	<u>1.5</u>			

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

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