Joseph J.

California Environmental Protection Agency AIR RESOURCES BOARD	MOTO GUZZI S.p.A.	EXECUTIVE ORDER M-19-19 New On-Road Motorcycles

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:

Engine Family	Evaporative Family	Displacement (cm^3)	Class	ECS & Special Features
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:

	HC	CO	Evap HC
Standard: (Effective Standard)	1.4	12	2.0 (1.8)
Certification:	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 15th 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^3

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: 1MGXC1.06KDB

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:

		Emission Values	
Test Number	System Kilometers	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	✓
Modified DF	
If different vehicle specify vehicle ID	

43. Emission Test Results:

Official Test Results		Test 1	Test 2	Test 3	Test 4		Deterioration Factors
g/km	CO	11.128				(X)	1.001
g/km	CO_2	119.04					----------
g/km	HC	1.046				(X)	1.108
g/test	Evap.	0.96				(+)	0.5

44. Certification Levels:

g/km	CO	11			
g/km	HC	1.2			
g/test	Evap.	1.5			

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

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