California	Environma	enial Protectio	a Agency	
AIR I	RESO	URCE	S BOAR	D

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	
1MGXC1.06KMA	1MGXE0040P01	1064	III	ТВІ	
Vehicle Models (E	Equivalent Inertia Ma	ss): Quota (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	10	0.9

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 K day of March 2001.

R. B. Śummerfield, Chief Mobile Source Operations Division

Model Year 2001 / Moto Guzzi Motorcycle

Section: 7 Page: 1 Issued: 21 December 2000 Revised:

E. O. #: M-19-20 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

3. Model Year:	<u>2001</u>
4. Process Code:	New
5. Engine Family: <u>1MGXC1.</u> 50s Engine Code: 49s Engine Code: Calif. Engine Code:	06KMA none none none
6. Emission Control System:	TBI
7. Calif. Designated Std.:	-
8. Projected Annual Sales:	CA: 49-state:
9. New Technology:	None

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

10. Displacement:	<u>1064 cm³</u>
11. Number of Cylinders:	2
12. Cylinder Arrangement:	<u>90° V</u>
13. Cylinder Head Configuration overhead carn, 2 valves/c	
14. Type of Cooling:	air
15. Combustion Cycle:	<u>4-stroke</u>
16. Method of Aspiration:	natural
17. Fuel System: TBI, 2	injectors
18. Number of Catalytic Con none	verters:

19. Adjustable Parameters:

None.

20. AECDs in the Emission Control Systems:

None.

Section: 7 Page: 4 Issued: 21 December 2000 Revised:

E. O. #: M-19-20 **Engine Family: 1MGXC1.06KMA**

Motorcycle Test Information Form 0.005

27. Are you carrying over test results from a previously certified family? Yes a) If yes, indicate family name: KM

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: <u>Ouota 1100</u>

29. Test Information Number: Not applicable

30. Vehicle ID: 00 KM 01

31. Service Accumulation Duration: 15,349 km

32. Maximum Rated Power: 51 kW @ 6400 RPM

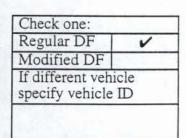
33. Displacement: 1064 cc

34. Certification Fuel: Conform

35. Test Data Set: 00 KM 01

42. Exhaust Emission Deterioration Factors:

		Emission Values		
Test Number	System Kilometers	HC	CO	
1	3919	0.840	8.822	
2	6306	0.867	9.486	
3	6323	0.873	8.658	
4	12374	0.902	7.872	
5	12392	1.070	10.151	
6	15331	0.949	8.234	
7	15349	1.011	9.909	
Interpolated values at 15,000 km:		HC = 0.994	CO = 9.067	
Extrapolated values at 30,000 km:		HC = 1.198	CO = 9.222	



43. Emission Test Results:

Official	Test Results	Test 1	Test 2	Test 3	Test 4
g/km	CO	9.909			
g/km	CO ₂	96.506			
g/km	HC	1.011			-
g/test	Evap.	0.37			

	Deterioration Factors
(X)	1.017
(X)	1.205
(+)	0.5

44. Certification Levels:

g/km	CO	(10)		
g/km	HC	(1.2)		
g/test	Evap.	(0.9)		

Application Processed by: Joseph Jegede Date: 3/13/01 Reviewed by: K. Pryper Date: 3/14/01

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

36. Road Load: 143 N

applicable