

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-02-003;

**IT IS ORDERED AND RESOLVED:** That the engine and emission control systems produced by the manufacturer are certified as described below for four-stroke gasoline-powered motorcycles. Production vehicles shall be in all material respects the same as those for which certification is granted. **The manufacturer shall ensure that character "C" or "3" is not used in the eighth (8<sup>th</sup>) position of the vehicle identification number (VIN) of all vehicles in the engine family listed below. Violation of this VIN provision may result in incorrect registration of the vehicles.**

MODEL YEAR	ENGINE FAMILY	EVAPORATIVE FAMILY	ENGINE DISPLACEMENT (cc)	CLASS
2005	5BENC1.13201	5BENE0018201	1131	III
<b>SPECIAL FEATURES &amp; EMISSION CONTROL SYSTEMS</b>		<b>VEHICLE MODELS</b> (equivalent inertia mass in kilograms, kg)		* = not applicable
SFI, TWC		TNT 1130 (290 kg) Tornado 900 LE (290 kg) Tornado 900 Tre (290 kg) Tornado 900 Tre LE (290 kg)		
<b>ABBREVIATIONS:</b> EM=engine modification TWC=three-way catalyst OC=oxidizing catalyst WUTWC/WUOC=warm-up TWC/OC O2S=oxygen sensor HO2S=heated O2S EGR=exhaust gas recirculation AIR=secondary air injection PAIR=pulsed AIR MF=multi port fuel injection SFI=sequential MPI TB=throttle body fuel injection DFI=direct fuel injection TC/SC=turbo/super charger CAC=charge air cooler 2 (prefix)=parallel (2) (suffix)=in series				

The following are the exhaust hydrocarbon (HC) and carbon monoxide (CO) standards, or designated HC standard as applicable, and certification levels in grams per kilometer (g/km), and evaporative standard and certification level in grams per test (g/test) for this engine/evaporative family. The designated HC standard, as applicable, shall be listed on the permanent tune-up label.

HC (g/km)				CO (g/km)		EVAPORATIVE (g/test)	
CORPORATE AVERAGE STANDARD	DESIGNATED STANDARD	(DIRECT) STANDARD	CERTIFICATION LEVEL	STANDARD	CERTIFICATION LEVEL	STANDARD	CERTIFICATION LEVEL
*	*	1.4	0.4	12	10	2.0	1.0

**BE IT FURTHER RESOLVED:** That certification to the designated HC standard listed above, as applicable, is subject to the following terms, limitations and conditions:

The designated HC standard shall be the exhaust emission limit for this engine family and cannot be changed during the model year. It serves as the HC exhaust standard applicable to this engine family for determining compliance with Title 13, California Code of Regulations, Sections 1958(b) and 2101.

**BE IT FURTHER RESOLVED:** That the Executive Officer has been provided all materials required to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Code of Regulations, Sections 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 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.

**This Executive Order is only granted to the engine family and model-year listed above. Vehicles in this family that are produced for any other model-year are not covered by this Executive Order.**

Executed at El Monte, California on this 17<sup>TH</sup> day of February 2005.

  
Allen Lyons, Chief  
Mobile Source Operations Division

M-066-0002

2005 MODEL-YEAR AIR RESOURCES BOARD CERTIFICATION REVIEW SHEET  
MOTORCYCLES

Manufacturer: **Benelli, S.p.A.**  
Exhaust Engine Family: **5BENC1.13201**  
Evaporative Family: **5BENE0018201**

All Engine Codes in Engine Family: CA X 49S X 50S       
Max Rated Power: **101kw @ 9,500 RPM**  
Exhaust ECS: ~~CAT~~  
*SFI, TWC*

Engine Information

Displacement (cc) **1131**  
Engine Configuration **OHC**  
Valves / Cylinder **1**  
Strokes / Cycle **4**  
Cooling Medium **LIQUID**  
No. Carburetors **N/A**  
Bbls per Carb **N/A**  
Fuel Injection **ELECTRONIC**

- |  |  |
|--|--|
| 1. Warranty Statement                          | Page No. In Application<br>Section 3   |
| 2. Warranty Parts List                         | Section 7, page 7-10                   |
| 3. Tune-up Label & Vac Hose Diagram            | Section 7, page 11                     |
| 4. Projected Sales                             | Section 7, page 12                     |
| 5. Vehicle Description                         | Section 7                              |
| 6. Durability Data Plot -- Exhaust/Evaporative |  |
| 7. Total California Sales <500                 | YES <b>XX</b> NO                       |
| 8. Carryover / Carry-Across MY & ID            | <u>Exhaust</u> <u>Evaporative</u>      |
| Durability <b>ZBNTN00004P100012</b>            | <b>NEW</b> assigned DF 0.5             |
| Bench  | <b>N/A</b> assigned DF0.5              |
| Emission <b>ZBNTN00004P100012</b>              | <b>NEW</b> same as exhaust             |
| 9. Type of Evaporative Control                 | <b>canister</b>                        |
| 10. Evap Bench Test Proc Approval              | Date: <b>N/A</b>                       |
| 11. Fill Pipe/Access Zone                      | Meet <u>        </u> Exempt <u>X</u>   |
| 12. EPA Certificate                            | No <u>        </u> Yes <u>X</u> # MC - |
| 13. Corporate Plan                             | Date: <b>N/A</b>                       |

Vehicle ID	PROJECTED EMISSIONS (1)													
	0001	RL	HC	CO	Evap	CO 2								
	Code	Displ.	Trans	EIM	Force	KPG	gm/km	gm/km	gm/t	gm/km				
ZBNTN00004P100012	ZBNB5	1131	M-6	290	133.4		0.392	10.199	0.9920	140.0				

- 1.4 Corporate Average
- 1.0 Corporate Average
- 1.4 HC

(1) Comply with Class III standards of  
And include deterioration factors of      1.0 12 2.0  
     3.80 1.24 0.5

Evaporative DF is average of Vehicle N/A and Bench assigned DF of 0.5  
The designated exhaust HC emission standard is:      gm/km or N/A

Remarks:

Application  
Processed by: H. Pryor Date: 2/4/05 Reviewed by: L. Wade Date: 2-9-05

Date Issued:

Revisions: