Joseph J.

California Environmental Protection Agency AIR RESOURCES BOARD	SURGICAL-STEEDS CLASSIC AMERICAN MOTORCYCLES, INC.	EXECUTIVE ORDER M-49-1 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 2000 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
YSSCC01.6SSC	YSSCE0066SSC	1606	III	EM

Vehicle Models (Equivalent Inertia Mass): Steed Clydesdale, Steed Clydesdale N, Steed Quarterhorse, Steed Quarterhorse GT, Steed Thoroughbred-C, Steed Pegasus, Steed Arabian (350 kg for each model)

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:	0.6	4	1.7

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 18TH day of December 2000.

FOR
R. B. Summerfield, Chief
Mobile Source Operations Division

Motorcycle Engine Family Information Form

1. Manufacturer: **Surgical-Steeds Classic American Motorcycles, Inc.**

2. Certification Contact Person, address, phone, and fax:

Kathleen Wolf
Harrison / Wolf
1275 N. Indian Hill Blvd.
Claremont, CA 91711

tel. (909) 626-1395
fax (909) 626-2906

3. Model Year: **2000**

4. Process Code: **New**
(new, correction, revision, r/c, f/f. etc.)

5. Engine Family: **YSSCC01.6SSC**
50s Engine Code: _____
49s Engine Code: ✓
Calif. Engine Code: ✓

6. Emission Control System: **E.M.**

7. Calif. Designated Standard: n/a

8. Projected Annual Sales:
CONFIDENTIAL

9. New Technology ___ Yes **X** No
If yes, cite the correspondence or reference the submittal document: _____

10. Displacement: **1606 cc**

11. Number of Cylinders: **2**

12. Cylinder Arrangement: **45°V**

13. Cylinder Head Configuration: **OHV**

14. Type of Cooling: **Air**

15. Combustion Cycle: Otto

16. Method of Aspiration: **Normal**

17. Fuel System: n/a

18. Number of Catalytic Converters: n/a

19. Adjustable Parameters:

Parameter(s)	Adjustable Range (or NA)	Tamper Resistance Method (or NA)	Method Approved

20. AECDs In the Emission Control Systems:

Exhaust System	Evaporative System
AECDs In System:	AECDs In System:

Motorcycle Test Information Form

27. Are you carrying over test results from a previously certified family? ___ Yes X No
    a) If yes, indicate family name: _____
    b) Is the family being certified identical to the family from which the data is being carried over? _____

28. Model Designation of Test Vehicle: Clydesdale

29. Test Information Number: ___

30. Vehicle ID: 1S9110166Y0571029

31. Service Accumulation Duration: 9830 (km)

32. Maximum Rated Power: 39.8 kW @ 5000 RPM

33. Displacement: 1606 cc

34. Certification Fuel: Indolene

35. Test Data Set: 001

36. Road Load: 145.6

37. Inertia Mass: 350

38. N/V: 24.46

39. EVAP. Bench Test Method Approved:
    Date: _____
    Reference: _____

40. Unscheduled Maintenance: ____ Yes X No

41. If yes, Vehicle Log provided: _____

42. Exhaust Emission Deterioration Factors:

		Emission Values	
Test Number	System Kilometers	HC	CO
1	3556	0.9770	8.2219
2	5004	1.0550	8.2940
3	6563	0.7710	11.5030
4	8061	1.0510	9.0050
5	8093	0.4490	6.8380
6	9820	0.5950	3.5530
7	* 9859	0.921	1.065
Interpolated Values at 10000 km:		HC = 0.7097	CO = 4.2514
Extrapolated Values at 30000 km:		HC = - 0.1853	CO = -15.4282

Check one:	
Regular DF	X
Modified DF	
If different vehicle specify vehicle ID	

* Confirmatory Test Result

43. Emission Test Results:

Official Test Results		Test 1	Test 2	Test 3	Test 4		Deterioration Factors
g/km	CO	3.5530				(X)	1.000
g/km	CO^2	134.955					____
g/km	HC	0.5950				(X)	1.000
g/test	Evap.	1.22				(+)	0.5

44. Certification Levels:

g/km	CO	3.5530			
g/km	HC	0.5950			
g/test	Evap.	1.72			

Application Processed by: Joseph Jegede Date: 12/15/2000

Reviewed by: [illegible] Date: 12/18/00