

SMALL OFF-ROAD EQUIPMENT FUEL TANK CERTIFICATION
(APPLICABLE TO ENGINES/EQUIPMENT ≤ 80 cc)
Certification Summary Sheet

Date Created:
Date Modified:

1. Model Year:

2a. Manufacturer:

2b. EPA Assigned Manufacturer Code:

3. Application Type: New

4. Exhaust/Evaporative Family Name:

5. Executive Order:

2c) Manufacturer Contact Contact: Title: Company: Address: City, State, Zip Phone No.: Fax No.: Email:	2d) Production Plant Location/Contact Contact: Title: Company: Address: City, State, Zip Phone No.: Fax No.: Email:
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6. Confidential Information

a) Projected California sales(units): _____

b) Projected 50-State Sales (units): _____

c) Introduction into commerce date: _____

7. Exemptions

a) Is this an exempt fuel tank under section 2766(a) ? ☐ Yes * ☒ No

b) If exempt, specify the tank type: ☐ Metal tank ☐ Coextruded multilayer tank

☐ Structurally integrated nylon fuel tank Innovative Product Executive Order #: _____

*** For exempt tanks, permeation data is not required to be submitted in the certification application (Go to #17).**

8. Test Information

a) New Testing? _____

e) If carry over/carry across, from evaporative family: _____

b) Test Engine or Equipment Model: _____

f) Test Equipment ID: Snabc12345

c) Test Fuel: _____

d) Test Procedure: _____

g) Alternate Test Procedure approval number: _____

9. Special Test Equipment

No

10. Test No.	11. Type (Certification (CTG) or Confirmatory (RTG))	Official Fuel Tank Permeation Test Results**		
		12. Test Completion Date	13. Certification Test Result (gr/m ² /day)	14. Fuel Tank Permeation Standard (gr/m ² /day)

**** Permeation rates must be reported to two significant digits.**

15. Remarks:

16. Equipment Type:

<input type="checkbox"/> Walk-Behind Lawnmower	<input type="checkbox"/> Generator Set	<input type="checkbox"/> Ice Auger
<input type="checkbox"/> Riding Mower	<input type="checkbox"/> Snowblower	<input type="checkbox"/> Commercial Turf
<input type="checkbox"/> Tractor	<input type="checkbox"/> Non-Backpack Blower	<input type="checkbox"/> Edger
<input type="checkbox"/> Compressor	<input type="checkbox"/> Backpack Blower	<input type="checkbox"/> Brushcutter
<input type="checkbox"/> Pump	<input type="checkbox"/> Line Trimmer	<input type="checkbox"/> Chainsaw
<input type="checkbox"/> Hedge Trimmer	<input type="checkbox"/> Pressure Washer	<input type="checkbox"/> Leaf Blower/Vacuum
<input type="checkbox"/> Stump Beater	<input type="checkbox"/> Tiller	<input type="checkbox"/> Go-Cart
<input type="checkbox"/> Other _____		

Processed By: Date Processed Reviewed By: Date Reviewed:

Supplementary Information

MODEL SUMMARY (Use an asterisk (*) to identify “worst-case” engine or equipment model used for certification testing.)

[illegible]

22. Fuel Tank Material: _____

23. Fuel Tank Treatment Type: _____

24. Fuel Tank Unique Properties: _____

25. LABELING:

Permeation emission label format approved? No___ Yes___ If yes, reference approval: _____

Sample label attached? No___ Yes (put label in #28)___

26. **WARRANTY:** Fuel Tank emission warranty approved? No___ (Provide full warranty statement in #29)

Yes___ (Reference approval: _____)

27. **Have any changes been made since the last approval?** No___ Yes___ If yes, provide an explanation of the changes:

28. PERMEATION EMISSION LABEL INFORMATION

IMPORTANT EMISSIONS INFORMATION

ABC COMPANY

**THIS ENGINE MEETS 2007 CALIFORNIA EXH AND EVP
EMISSION REGULATIONS FOR SMALL OFF-ROAD ENGINES**

EF: 7ABCS.0651XX

DOM: JULY 2007

SPARK PLUG GAP: .037-.041"

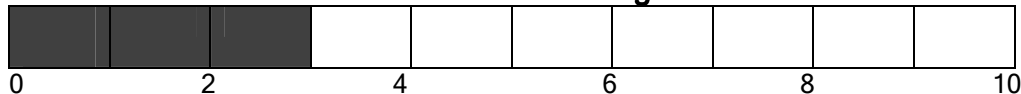
DISPLACEMENT: 65 CC.

EMISSION CONTROL SYSTEM: EM

NO OTHER ADJUSTMENTS NEEDED

Air Index Label

The air index of this engine is 3



Most Clean

Least Clean

Note: The lower the Air Index, the less pollution

This engine is certified to be emissions compliant for the following use:

Moderate

Intermediate

Extended

[](50 hours)

[**X**](125 hours)

[](300 hours)

Check the owner's manual for further details.

Field Data Sheet (Trip Blank Correction)

30. Tank Manufacturer: _____

31. Tank I.D.: _____

32. Tested By: _____

33. Water Bath Test (pass/fail): _____

34. Tank Internal Surface Area (meter²): _____

Full Tank Data

35. Start Date	36. Start Time	37. End Date	38. End Time	39. Initial Weight W_{if} (grams)	40. Final Weight W_{ff} (grams)	41. Difference D_f (grams)	42. Weight Loss WI (grams)

$$WI = (W_{if} - D_f), D_f = (W_{ff} + D_e), D_e = (W_{ie} - W_{fe})$$

Empty Tank Data

43. Start Date	44. Start Time	45. End Date	46. End Time	47. Initial Weight W_{ie} (grams)	48. Final Weight W_{fe} (grams)	49. Difference D_e (grams)	50. %RH	51. Baro. Pres.

Note: This process is repeated until the correlation coefficient (R^2), from a plot of 10 consecutive 24 hour cycles, is 95% or greater (If 95 % or Greater PASS, if not FAIL). May include final correlation coefficient in item 52.

52. ADDITIONAL INFORMATION AND COMMENTS (for tanks soaked less than 140 days, submit fuel tank soak data, Figure 1 of TP-901 (Test Procedure for Determining Permeation Emission from Small Off-Road Engines and Equipment Fuel Tanks) and the calculated correlation coefficient. This applies to tanks that are soaked at non-elevated temperature ($30\text{ }^{\circ}\text{C} \pm 10\text{ }^{\circ}\text{C}$) for less than 140 days and tanks with a nominal wall thickness of greater than 0.2" (5 mm) that are soaked at an elevated temperature ($40\text{ }^{\circ}\text{C} \pm 2\text{ }^{\circ}\text{C}$) for less than 140 days):

Summary of Certification: Followed TP-901 test procedures.
Correlation Coefficient (R2) determined from Field Data Sheet =

Evaporative Component Parts Summary Sheet ($\leq 80\text{ cc}$)

MODEL SUMMARY

18. Engine or Equipment Model	20a. Fuel Tank Part Number(s)