

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

Date Created:  
Date Modified:

1. Model Year: \_\_\_\_\_ 3. Application Type: New  
 2a. Manufacturer: \_\_\_\_\_ 4. Exhaust/Evaporative Family Name: \_\_\_\_\_  
 2b. EPA Assigned Manufacturer Code: \_\_\_\_\_ 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 <sup>2</sup> /day)	14. Fuel Tank Permeation Standard (gr/m <sup>2</sup> /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:





## 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 (meter<sup>2</sup>): \_\_\_\_\_

### 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 $W_I$ (grams)

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

### 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 =