

SMALL OFF-ROAD ENGINE FUEL TANK CERTIFICATION APPLICATION

APPLICANT INFORMATION

Applicant Name:

CONSULTANT CONTACT INFORMATION

Contact Name:	Title:
Contact Email:	

APPLICANT CONTACT INFORMATION

Contact Name:	Title:
Contact Telephone:	Address:

TEST MODEL INFORMATION

Tested Model/Part Number:	
Test Procedure: <input type="checkbox"/> TP-901, last amended May 6, 2019	
Engine Displacement Category <input type="checkbox"/> ≤ 80 cc <input type="checkbox"/> > 80 cc	Internal Surface Area ¹ (m ²):
Total Fuel Capacity (L):	Nominal Capacity (L):
Barrier Technology:	Barrier Specifications:
Criteria used to determine which fuel tank is expected to exhibit the highest permeation rate relative to the applicable permeation emission standard:	

NOTES: Internal surfaces are those surfaces that are subjected to liquid fuel or fuel vapor under normal operating conditions and have an opposing surface through the wall section that is exposed to the atmosphere. Internal webs and strengthening structures not in communication with the atmosphere are not considered internal surfaces for the purposes of this testing. Do not include the area of the fuel cap or any other openings.

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DURABILITY DEMONSTRATION INFORMATION

PRESSURE TEST

Start Date (MM/DD/YY):	End Date (MM/DD/YY):
Duration (days):	Temperature:
Rate (seconds/cycle):	Number of Cycles:
<input type="checkbox"/> Performed without fuel and before any preconditioning	

DESIGN LIMIT

Maximum Pressure (psi or kPa):	Minimum Pressure (psi or kPa):
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SLOSH TEST

Start Date (MM/DD/YY):	End Date (MM/DD/YY):
Fuel Fill Amount (L):	Angle Deviation (degrees):
Rate (seconds/cycle):	Number of Cycles:

If using a laboratory sample orbital shaker table, provide the following:

Centripetal Acceleration:	Frequency (cycles/second):
Number of Cycles:	

ULTRAVIOLET (UV) RADIATION EXPOSURE

Start Date (MM/DD/YY):	End Date (MM/DD/YY):
Duration (hours):	

LIGHT SOURCE

<input type="checkbox"/> Natural Sunlight	<input type="checkbox"/> UV light, Intensity (W/m ²):
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FUEL CAP INSTALLATION CYCLES

Number of ON/OFF Cycles:

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PRECONDITIONING INFORMATION

Duration (days):	
Start Date(MM/DD/YY):	End Date (MM/DD/YY):
Temperature:	Fuel Fill Amount (L):
Fuel Refresh Dates (MM/DD/YY):	Fuel Refresh Amount (L):
Fuel: <input type="checkbox"/> LEV III certification gasoline <input type="checkbox"/> The gasoline defined in 40 CFR Part 1060.520(e)	

SEALING INFORMATION

Date and Time (MM/DD/YY HH:MM):	Fuel Fill Amount (L):
Fuel: <input type="checkbox"/> LEV III certification gasoline <input type="checkbox"/> The gasoline defined in 40 CFR Part 1060.520(e)	
Description of sealing method:	

PERMEATION TEST INFORMATION

Start Date and Time (MM/DD/YY HH:MM):	End Date and Time (MM/DD/YY HH:MM):
Duration (days):	Temperature:

Permeation Rates (g/m²/day):

1.
2.
3.
4.
5.
Test Method: <input type="checkbox"/> Gravimetric <input type="checkbox"/> Flame Ionization Detector (FID)

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If tested using gravimetric method, provide coefficient of determination (r^2):

1.
2.
3.
4.
5.

If r^2 is less than 0.95, provide the upper limit of the 95% confidence interval:

1.
2.
3.
4.
5.

If tested using a FID, detail calibration procedure:

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ADDITIONAL ATTACHMENTS

- Authorization letter (if using a third-party consultant)
- Letter of intent
- CAD drawing
- Table of all models and specifications (electronic spreadsheet)
- Preconditioning tabulated temperature data (electronic spreadsheet)
- If preconditioning soak is less than 140 days, provide stabilization data
- Permeation tabulated test temperature data (electronic spreadsheet)
- All emission-related test data
- Fuel certificate of analysis
- Installation and maintenance instructions
- Limits for proper functioning
- Statement that warranty complies with California Code of Regulations, title 13, section 2760