

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER Q-15-019

Small Off-Road Engine Evaporative Emission System Components

Sutai High-tech Materials Co., Ltd.
Model F4110
Fuel Tanks

WHEREAS, pursuant to California Health and Safety Code, sections 39600, 39601, and 43013, the California Air Resources Board (ARB) has established a certification process for evaporative emission system components designed to control gasoline emissions from small off-road engines (SORE), as described in California Code of Regulations, title 13, section 2767.1;

WHEREAS, pursuant to California Health and Safety Code, section 43013, ARB has established criteria and test procedures for determining the compliance of evaporative emission system components with the design requirements in Cal. Code Regs., title 13, section 2754;

WHEREAS, pursuant to Cal. Code Regs., title 13, section 2767.1, ARB Executive Officer may issue an executive order (EO) if he determines that SORE evaporative emission system component conforms to the applicable performance requirements set forth in Cal. Code Regs., title 13, section 2754; and

WHEREAS, pursuant to California Health and Safety Code, sections 39515 and 39516, ARB Executive Officer issued EO G-05-008 delegating to the Chief of ARB Monitoring and Laboratory Division (MLD) the authority to certify SORE evaporative system components.

NOW, THEREFORE, I, Michael T. Benjamin, Chief of MLD, find that the Sutai High-tech Materials Co., Ltd. model F4110 fuel tanks conform with the 2.0 grams per square meter per day permeation performance requirements set forth in Cal. Code Regs., title 13, section 2755, when tested at a constant temperature of 40 °C pursuant to test procedure TP-901 using an approved test fuel of CE10.

IT IS ORDERED AND RESOLVED that all Sutai High-tech Materials Co., Ltd. model F4110 fuel tanks with a volume/internal surface area ratio equal to or greater than the ratio listed in Table 1 will emit evaporative emissions up to the reported permeation rate and that Sutai High-tech Materials Co., Ltd. model F4110 fuel tanks are certified for use in SORE equipment.



Table 1

Sutai High-tech Materials Co., Ltd. Model F4110 Fuel Tank Specifications	
Minimum Volume/Internal Surface Area Ratio (liters/meter ²)	Reported Permeation Rate (grams/meter ² /day)
22.71	1.79

IT IS FURTHER ORDERED that Sutai High-tech Materials Co., Ltd. shall provide a warranty to equipment manufacturers purchasing the Sutai High-tech Materials Co., Ltd. model F4110 fuel tanks. The warranty must conform to the requirements of Cal. Code Regs., title 13, section 2760.

IT IS FURTHER ORDERED that the certified Sutai High-tech Materials Co., Ltd. model F4110 fuel tanks shall be installed in accordance with the manufacturer's installation and use instructions for the Sutai High-tech Materials Co., Ltd. model F4110 fuel tanks. A copy of this EO and fuel tank installation and use instructions shall be provided to original equipment manufacturers purchasing Sutai High-tech Materials Co., Ltd. model F4110 fuel tanks for installation on small off-road engines and equipment introduced into commerce in California.

IT IS FURTHER ORDERED that the Sutai High-tech Materials Co., Ltd. model F4110 fuel tanks introduced into commerce in California shall be clearly identified by a permanent identification showing the manufacturer's name, EO number, and model number.

IT IS FURTHER ORDERED that any alteration to the Sutai High-tech Materials Co., Ltd. model F4110 fuel tanks certified hereby is prohibited. Any alteration or modification of the designs approved by this EO will require the manufacturer to apply for a new EO.

IT IS FURTHER ORDERED that the Sutai High-tech Materials Co., Ltd. model F4110 fuel tanks shall be compatible with fuels in common use in California at the time of certification, and any modifications to comply with future California fuel requirements shall be approved in writing by the Executive Officer or his delegate.

IT IS FURTHER ORDERED that the component certification of the Sutai High-tech Materials Co., Ltd. model F4110 fuel tanks can be referenced in certification applications for small off-road engines and equipment that use small off-road engines unless the Executive Officer finds that the Sutai High-tech Materials Co., Ltd. model F4110 fuel tanks no longer meet the performance requirements set forth in Cal. Code Regs., title 13, section 2754 and 2755, when tested pursuant to Cal. Code Regs., title 13, section 2765.

Executed at Sacramento, California, this 18th day of November 2015.

Dr. Michael T. Benjamin, Chief
Monitoring and Laboratory Division