State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER RM-17-012

Spark-Ignition Marine Watercraft Evaporative Emissions System Components

Inca Molded Products
Fuel Tank

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 emissions system components designed to control gasoline emissions from spark-ignition marine watercraft (SIMW), as described in California Code of Regulations, title 13, section 2856;

WHEREAS, pursuant to California Health and Safety Code, section 43013, ARB has established criteria and test procedures for determining the compliance of evaporative emissions system components with the design requirements in Cal. Code Regs., title 13, section 2855;

WHEREAS, pursuant to Cal. Code Regs., title 13, section 2856, ARB Executive Officer may issue an executive order (EO) if he or she determines that SIMW evaporative emissions system components conform to the applicable performance requirements set forth in Cal. Code Regs., title 13, section 2855; and

WHEREAS, pursuant to California Health and Safety Code, sections 39515 and 39516, ARB Executive Officer issued EO G-17-006 delegating to the Chief of ARB Monitoring and Laboratory Division (MLD) the authority to certify SIMW evaporative system components.

NOW, THEREFORE, I, Michael T. Benjamin, Chief of MLD, find that the Inca Molded Products fuel tank representative model, FXV707 using RotoLoPerm® technology, conforms with the 1.4 grams/meter^2/day permeation performance requirements set forth in Cal. Code Regs., title 13, section 2855, when tested at a constant temperature of 40°C pursuant to test procedure TP-1504 using an approved test fuel of California Phase III Reformulated fuel.

IT IS ORDERED AND RESOLVED that the Inca Molded Products fuel tank models listed in Table 1 with 0.040 in +/- 0.008 in minimum ethylene vinyl alcohol (EVOH) barrier thickness are certified for use in SIMW introduced into commerce in California.

Table 1

Models and Specifications for Inca Molded Products fuel tank: RotoLoPerm®			
Component Type Model Number	Minimum EVOH Barrier Thickness, (in)	Minimum Volume/Internal Surface Area Ratio (in^3 / in^2)	Test Emission Rate (grams/$meter^2$/day)
FXV707*	0.040 +/- 0.008	1.86	1.0 at 40ºC

*Manufacturer-designated representative for the fuel tank family FXVxxxxxe

IT IS FURTHER ORDERED that Inca Molded Products shall provide a warranty to watercraft manufacturers purchasing any of the Inca Molded Products fuel tank models listed in Table 1. The warranty must conform to the requirements of Cal. Code Regs., title 13, section 2861.

IT IS FURTHER ORDERED that the certified Inca Molded Products fuel tank models listed in Table 1 shall be installed in accordance with the manufacturer's installation and use instructions for the Inca Molded Products fuel tank models. A copy of this EO and fuel tank installation and use instructions shall be provided to original watercraft manufacturers purchasing Inca Molded Products fuel tank models listed in Table 1 for installation on spark-ignition marine engines and watercraft introduced into commerce in California.

IT IS FURTHER ORDERED that the Inca Molded Products fuel tank models listed in Table 1 and introduced into commerce in California shall be clearly identified by a permanent identification that includes model number FXVxxxxx and EO number.

IT IS FURTHER ORDERED that any alteration to the Inca Molded Products fuel tank models listed in Table 1 and 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 Inca Molded Products fuel tank models as listed in Table 1 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 Executive Officer's delegate.

IT IS FURTHER ORDERED that the component certification of the Inca Molded Products fuel tank models listed in Table 1 can be referenced in certification applications for spark-ignition marine engines and watercraft that use spark-ignition marine engines unless the Executive Officer finds that the Inca Molded Products fuel tank models listed in Table 1 no longer meet the performance requirements set forth in Cal. Code Regs., title 13, section 2855, when tested pursuant to Cal. Code Regs., title 13, section 2864.

Executed at Sacramento, California, this 1st day of June 2017.

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