State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER RM-20-003

Spark-Ignition Marine Watercraft Evaporative Emissions System Components

Michiana Rotational Molding, LLC
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, CARB 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 2854;

WHEREAS, pursuant to Cal. Code Regs., title 13, section 2856, CARB 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 2854; and

WHEREAS, pursuant to California Health and Safety Code, sections 39515 and 39516, CARB's Executive Officer issued EO G-19-095 delegating to the Chief of CARB's Emissions Certification and Compliance Division (ECCD) the authority to certify SIMW evaporative system components.

NOW, THEREFORE, I, Allen Lyons, Chief of ECCD, find that the Michiana Rotational Molding, LLC fuel tank representative model, ST1, conforms with the 0.7 grams/meter^2/day permeation performance requirements set forth in Cal. Code Regs., title 13, section 2854, when tested at a constant temperature of 28ºC pursuant to test procedure TP-1504 using an approved test fuel of CE10.

IT IS ORDERED AND RESOLVED that the Michiana Rotational Molding, LLC fuel tank models listed in Table 1 with 0.25 in minimum wall thickness are certified for use in SIMW introduced into commerce in California.

Table 1

Models and Specifications for Michiana Rotational Molding, LLC Fuel Tanks			
Fuel Tank Model Number	Minimum Wall Thickness, (in)	Minimum Volume/Internal Surface Area Ratio (L / m^2)	Test Emission Rate ($grams/meter^2/day$)
ST1	0.25	15.2	0.62

IT IS FURTHER ORDERED that Michiana Rotational Molding, LLC shall provide a warranty to watercraft manufacturers purchasing any of the Michiana Rotational Molding, LLC 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 Michiana Rotational Molding, LLC fuel tank models listed in Table 1 shall be installed in accordance with the manufacturer's installation and use instructions for the Michiana Rotational Molding, LLC fuel tank models. A copy of this EO and fuel tank installation and use instructions shall be provided to original watercraft manufacturers purchasing Michiana Rotational Molding, LLC 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 Michiana Rotational Molding, LLC fuel tank models listed in Table 1 and introduced into commerce in California shall be clearly identified by a permanent identification of "ST1".

IT IS FURTHER ORDERED that any alteration to the Michiana Rotational Molding, LLC 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 Michiana Rotational Molding, LLC fuel tank models 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 Michiana Rotational Molding, LLC 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 Michiana Rotational Molding, LLC fuel tank models listed in Table 1 no longer meet the performance requirements set

forth in Cal. Code Regs., title 13, section 2854, when tested pursuant to Cal. Code Regs., title 13, section 2864.

Executed ~~at El Monte, California~~, this 23RD day of APRIL 2020.

Allen Lyons, Chief
Emissions Certification and Compliance Division