State of California
AIR RESOURCES BOARD

Small Off Road Engine Evaporative Emission System Components

Q-07-012
Yazaki Corporation
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 emission system components designed to control gasoline emissions from small off-road engines, as described in title 13, California Code of Regulations (13 CCR), 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 13 CCR, section 2754;

WHEREAS, Pursuant to 13 CCR, section 2767.1, ARB Executive Officer may issue an Executive Order if he/she determines that the small off-road engine evaporative emission system component conforms to the applicable performance requirements set forth in 13 CCR, section 2754; and

WHEREAS, Pursuant to Health and Safety Code, sections 39515 and 39516, ARB Executive Officer issued Executive Order G-05-008 delegating to the Chief of ARB Monitoring and Laboratory Division (MLD) the authority to certify small off-road engine evaporative system components.

NOW, THEREFORE, I, William V. Loscutoff, Chief of MLD, find that the Yazaki Corporation YZT1 fuel tank conforms with the permeation performance requirements set forth in 13 CCR, sections 2754 and 2755, when tested at a constant temperature of 40 °C pursuant to TP-901 using an approved test fuel of Indolene.

IT IS ORDERED AND RESOLVED that all Yazaki Corporation YZT1 model number fuel tanks with volume/internal surface area ratios equal to or greater than the ratio listed in Table 1 are certified for use in small off-road equipment.

Table 1
Specification for Yazaki Corporation YZT1 Fuel Tank

Minimum Volume/Internal Surface Area (l/m^2)
13.02

IT IS FURTHER ORDERED that Yazaki Corporation shall provide a warranty to equipment manufacturers purchasing the Yazaki Corporation YZT1 fuel tanks. The warranty must conform to the requirements of 13 CCR, section 2760.

IT IS FURTHER ORDERED that the certified Yazaki Corporation YZT1 fuel tank shall be installed in accordance with the manufacturer's installation and use instructions. A copy of this Executive Order and fuel tank installation and use instructions shall be provided to manufacturers purchasing Yazaki Corporation YZT1 fuel tanks for installation on small off-road engines and equipment introduced into commerce in California.

IT IS FURTHER ORDERED that fuel tanks listed in Table 1 shall be clearly identified by a permanent identification that allows ARB to identify manufacturer's name, executive order number, and model number.

IT IS FURTHER ORDERED that any alteration to the certified fuel tank hereby is prohibited. Any alteration or modification of the design approved by this Executive Order will require the manufacturer to apply for a new Executive Order.

IT IS FURTHER ORDERED that the Yazaki Corporation YZT1 fuel tank 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 Yazaki Corporation YZT1 fuel tank 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 Yazaki Corporation YZT1 fuel tank no longer meets the performance requirements set forth in 13 CCR, section 2754, when tested pursuant to 13 CCR, section 2765.

Executed at Sacramento, California, this 26th day of October, 2007.

William V. Loscutoff, Chief
Monitoring and Laboratory Division