



Air Resources Board



Mary D. Nichols, Chairman
9480 Telstar Avenue, Suite 4
El Monte, California 91731 • www.arb.ca.gov

Edmund G. Brown Jr.
Governor

Matthew Rodriguez
Secretary for
Environmental Protection

March 18, 2013

Reference Number: CIHD-2013-002

Mr. Cory Shumaker
Vision Motor Corp.
130 Eucalyptus Drive
El Segundo, CA 90245

Dear Mr. Shumaker,

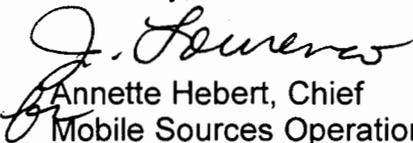
This letter is in response to the request by Vision Motor Corp. (Vision) to the Air Resources Board (ARB) to approve 2013 model year heavy-duty hydrogen fuel cell electric vehicles manufactured by Vision. Vision's Tyano vehicle models are included in the 2013 model year engine family DVIS10000TYR. These vehicles are powered by a Hydrogenics HyPM 16.5kW Proton Exchange Membrane fuel cell and a 128kWh battery pack. This hydrogen fuel cell electric heavy-duty vehicle is designed as a commercial truck, and does not have any on-board fuel-fired heaters or auxiliary motors that would emit any vehicle criteria pollutant exhaust emissions or fuel-based evaporative emissions.

The ARB is required to certify all on-road vehicles. The certification protocol and test procedures for zero-emission heavy-duty vehicles (HD-ZEV) with gross vehicle weight rating (GVWR) above 14,000 pounds are in the development process. The ARB encourages Vision to participate in the regulatory process to formulate the certification protocols and test procedures for HD-ZEV. Prior to the finalization and adoption of HD-ZEV certification protocols and test procedures, hydrogen fuel cell heavy-duty electric vehicles may be approved for sale in California based on the manufacturer demonstrating that the vehicles do not emit any vehicle criteria pollutant exhaust emissions or fuel-based evaporative emissions.

The ARB has determined that the engine family information submitted by Vision demonstrates that the vehicle model listed above does not emit any vehicle criteria pollutant exhaust emissions or fuel-based evaporative emissions. Therefore, this letter of approval confirms that the vehicle model listed above is properly designated as a hydrogen fuel cell heavy-duty electric vehicle and is legal for sale in California when produced during the 2013 model year.

If you have additional questions or comments regarding this matter, please contact Ms. Kimberly Pryor, Manager, Compression-Ignition and Heavy-Duty Certification Section, at 626-575-6640 or by email at kpryor@arb.ca.gov.

Sincerely,


Annette Hebert, Chief
Mobile Sources Operations Division

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption. For a list of simple ways you can reduce demand and cut your energy costs, see our website: <http://www.arb.ca.gov>.

California Environmental Protection Agency