



Air Resources Board



Matthew Rodriguez
Secretary for
Environmental Protection

Mary D. Nichols, Chairman
1001 I Street • P.O. Box 2815
Sacramento, California 95812 • www.arb.ca.gov

Edmund G. Brown Jr.
Governor

May 13, 2013

Reference Number: CIHD-2013-006

Mr. Jim Castelaz
Motiv Power Systems, Inc.
1165 Chess Drive, Suite E
Foster City, California 94404

Dear Mr. Castelaz,

This letter is in response to the request by Motiv Power System, Inc. (Motiv) to the Air Resources Board (ARB) to approve 2014 model year heavy-duty electric vehicles manufactured by Motiv. All vehicles are classified by Motiv as model FE4 and in the 2014 model year engine family EMPW10000FE4. This heavy-duty electric vehicle is designed for use as class 4 shuttle buses, parcel delivery trucks and maintenance trucks and does not use any on-board fuel-fired heaters or auxiliary motors that would emit any vehicle exhaust emissions or fuel-based evaporative emissions.

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. ARB encourages Motiv 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, heavy-duty electric vehicles may be approved for sale in California based on the manufacturer demonstrating that the vehicles do not emit any vehicle exhaust emissions or fuel-based evaporative emissions.

ARB has determined that the information submitted by Motiv demonstrates that the vehicle model listed above does not emit any vehicle exhaust emissions or fuel-based evaporative emissions. Therefore, this letter approves the above listed vehicle model as an electric heavy-duty vehicle that can be sold in California provided they are produced during 2014 Model Year production period using the new 2013 Ford E450 chassis as described in the information submitted by Motiv.

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

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

Sincerely,



FW
Erik White, Chief
Mobile Sources Operations Division

cc: Ms. Kimberly Pryor, Manager
Compression-Ignition and Heavy Duty Certification Section
Mobile Sources Operations Division