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Gray Davis
Governor

Mail-Out #MSO 2000-07

June 22, 2000

TO: ALL MANUFACTURERS OF OFF-ROAD COMPRESSION-IGNITION
(CI) ENGINES
ALL OTHER INTERESTED PARTIES

SUBJECT: - Conditional Certification for 2000 Model-Year (MY) Off-Road CI Engines
Below 19KW and CI Engines 130KW and Above

- U. S. EPA Certification as Meeting California Certification Requirements
for 2000 MY Off-Road CI Engines At or Above 19KW but Below 130KW

New off-road CI engines rated below 25 horsepower (HP) (roughly equivalent to 19 kilowatts or KW) have been certified since 1995 under California's small off-road engine regulations (Title 13, California Code of Regulations, (13 CCR) Sections 2400 through 2409). New off-road CI engines rated at 175 HP (about 130 KW) and above have been required to be certified since MY 1996 under California's heavy-duty off-road diesel engine regulations (13 CCR Sections 2420 through 2427).

On January 28, 2000, the Air Resources Board (ARB or the Board) amended the emission standards and test procedures affecting all off-road CI engines from MY 2000. In brief, the amendments will align ARB's program for off-road CI engines with that of the United States Environmental Protection Agency (U.S. EPA). For example, delineation of engine classifications is based on KW rather than HP (i.e., the emission standards are in grams per KW-hour rather than grams per brake HP-hour). Also, Selective Enforcement Audit (SEA) testing will replace assembly line Quality Audit (QA) testing. Engines rated at 19 KW and up to 130 KW that previously required only U.S. EPA certification will now be subject to ARB certification starting with MY 2000.

On March 16, 2000, the Engine Manufacturers Association (EMA) requested the ARB to implement these newly amended regulations. Specifically, EMA requested that the SEA testing provision be made available in MY 2000 although the amendments have not received approval from the California Office of Administrative Law (OAL) or U.S. EPA. The ARB anticipates ultimate approval of the amendments by OAL and EPA. Pending this approval, the ARB will conditionally certify engine families under the amended test

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procedures. Under the conditional certification, manufacturers are subject to the SEA requirements and test procedures instead of QA Testing.

In the event that California OAL or U.S. EPA approval is not granted, conditionally certified off-road CI engines below 19 KW shall be required to comply with "California Exhaust Emission Standards and Test Procedures for 1995 and Later Small Off-Road Engines" (13 CCR Sections 2400 through 2409) as last amended March 23, 1999. For conditionally certified off-road CI engines at 130 KW and above, the manufacturer shall be required to comply with the "California Exhaust Emission Standards and Test Procedures for 1996 and Later Heavy-Duty Off-Road Diesel Cycle Engines" (13 CCR Sections 2420 through 2427) as last amended July 3, 1996. Failure to demonstrate compliance within 45 days after notification by the ARB shall be cause for the Board to revoke the Executive Order and deem such conditionally certified engines as uncertified.

Manufacturers wishing to certify new engines under this option should indicate their request for conditional certification in the cover letter accompanying each engine family. For engine families already certified under the existing regulations, manufacturers may wish to submit a letter to ARB indicating their request to conduct SEA testing under an amended conditional certification. Upon receipt of the request letter for conversion to conditional certification, the ARB will issue an approval letter to conditionally certify such existing engine families. After 60 days from the date of this Mail-Out, any existing engine families without a manufacturer's request for conversion to conditional certification will be deemed to be subject to all certification requirements including QA testing under the applicable regulations as indicated in the Executive Orders.

For off-road CI engines with rated power at or above 19 KW but below 130 KW, U.S. EPA certification will be accepted (for MY 2000 only) as meeting California's requirements for certification of such engines. Starting with MY 2001, applications for certification of such engines must be submitted to ARB, and ARB certification must be obtained before they are legal for sale, distribution and use in California.

Should you have any questions, concerns or need further assistance, please contact Mr. Duc Nguyen, Manager, Certification Section, or Mr. Yun-I Tom Chang, staff, at (626) 575-6809, or by e-mail to dnguyen@arb.ca.gov or ychang@arb.ca.gov .

Sincerely,

R. B. Summerfield, Chief
Mobile Source Operations Division