



Air Resources Board



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Secretary for
Environmental Protection

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February 23, 2010

Mail-Out# MSO 2010- 01

To: ALL ON-ROAD HEAVY-DUTY DIESEL ENGINE AND VEHICLE MANUFACTURERS
ALL OFF-ROAD COMPRESSION IGNITION ENGINE MANUFACTURERS
ALL OTHER INTERESTED PARTIES

SUBJECT: Public Workshop to Discuss Engine Durability Demonstration, Service Accumulation Cycle, and Exhaust Emission Deterioration Factors for New 2010 and Later Model Year On-Road Heavy-Duty Diesel Engines and Off-Road Compression-Ignition Engines Meeting the Tier-4/Tier-4i Certification Standards

The California Air Resources Board (ARB) staff invites you to participate in a public workshop regarding engine certification requirements related to engine durability demonstration for 2010 and later model year on-road heavy-duty diesel engines and off-road compression ignition engines meeting the Tier-4/Tier-4i certification standards. Engine manufacturers and other interested parties are welcome to provide input. The workshop will be held at the following time and location:

Date: Wednesday, March 24, 2010
Time: 10:00 a.m. – 12:00 p.m. (PST)
Location: California Air Resources Board
Annex 4 Auditorium
9528 Telstar Avenue
El Monte, CA 91731

The ARB routinely meets with engine manufacturers to discuss engine durability demonstration programs, such as, running an engine over established service accumulation cycles to generate a set of family specific deterioration factors (DFs). During these discussions, staff has noted several reoccurring topics which may warrant additional agency guidance. The intent of this workshop is to discuss the various approaches engine manufacturers are using to meet the certification durability requirements and to provide general guidance regarding possible compliance paths to meet future certification.

The workshop topics will include: 1) good engineering approach of an approvable engine service accumulation process, including minimum requirements for approvable service accumulation cycles, requisite number of emission test intervals, minimum number of emission tests and emissions test cycles, and ash-cleaning of the diesel particulate filter (DPF); 2) emissions data analysis; 3) allowable maintenance for critical

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>.

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emission related components; 4) unscheduled maintenance procedures; 5) alternative durability procedures to generate DFs for certification and 6) future high-mileage parts as required by the heavy-duty on-board diagnostics (HD-OBD) regulations.

Prior to the workshop, a more detailed workshop agenda and any handouts will be available on the ARB website at <http://www.arb.ca.gov/msprog/onroadhd/onroadhd.htm>. The meeting will be broadcast through ARB's GoTo-Meeting for limited remote participation. If you plan to participate through the GoTo-Meeting feature, please contact Ms. Kimberly Pryor at (626) 575-6640 or by e-mail at kpryor@arb.ca.gov. Sign-up for GoTo-Meeting participation will be on a first-come-first-served basis. For participants unable to use Go To-Meeting, a conference call-in number will be available.

If you have a disability-related accommodation need, please go to <http://www.arb.ca.gov/html/ada/ada.htm> for assistance or contact the ADA (Americans with Disabilities Act) Coordinator at (916) 323-4916. If you need assistance in a language other than English, please contact the Bilingual Coordinator at (916) 322-0473.

Your participation in the workshop is welcome. If you cannot attend, but would like to provide comments, or if you have any questions regarding the workshop, please contact Compression-Ignition and Heavy-Duty Certification section staff Mr. Tom Chang, Staff Air Pollution Specialist, at (626) 575-6809 or by email at ychang@arb.ca.gov or Mr. Babak Pazokifard, Air Resources Engineer at (626) 450-6128 or by email at bpazokif@arb.ca.gov .

Sincerely,

/s/

Annette Hebert, Chief
Mobile Source Operations Division