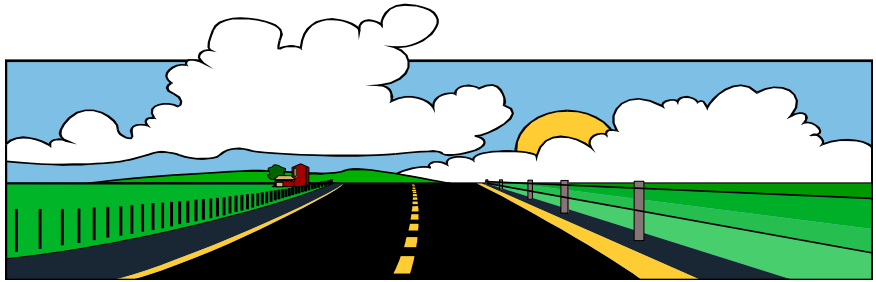


Clean Technologies Forum



January/February 2006

ECS TermiNOx™ RETROFIT KIT RECEIVED CARB VERIFICATION

CARB has verified the TermiNOx™ 3-Way Catalyst and Closed-loop Retrofit Kit manufactured by Engine Control Systems Limited (ECS) for Large Spark Ignition Engines (LSI) applications that meet the interim verification letter criteria. TermiNOx™ reduces (NOx+HC) by >90% to a 1.0 g/bhp-hr level. An engine-specific add-on kit upgrades an uncontrolled LSI engine so it runs with electronic air/fuel ratio control, and a custom-made direct-fit replacement 3-way Purimuffler™ reduces emissions. Hundreds of kit designs are already available for many brands of LPG forklift trucks and the kit can be adapted to other LSI applications. Added benefits include a significant reduction in Carbon Monoxide (CO) and improvement in fuel efficiency.

Details may be found at www.arb.ca.gov/msprog/offroad/orspark/verdev/terminox120905.pdf

NEW CARL MOYER GUIDELINES

CARB released revised Carl Moyer Program Guidelines on January 6, 2006. Among the changes are the addition of a statewide, on-road fleet modernization option, a lowering of the minimum eligible horsepower rating for off-road diesel engines from 50 HP to 25 HP, and a dramatic increase in funding. The Sacramento air district anticipates receiving 6 to 8 million dollars this year which is three times more than received in previous years.

The new guidelines can be found at www.arb.ca.gov/msprog/moyer/guidelines/revisions05.htm or contact Gary Bailey 916-874-4893 gbailey@airquality.org

\$\$\$\$ MILLIONS AVAILABLE IN SECAT FUNDING \$\$\$\$

The SECAT program has reinstated funding! If you have a pre 1991 heavy or medium duty diesel truck, you might be eligible to receive funding towards the purchase of a 2000 or newer diesel truck.

For more information visit www.4secat.com or contact Jerry Grauman 916-874-4889 ggrauman@airquality.org

DONALDSON COMPANY, INC. RETROFIT DEVICES RECEIVED ARB VERIFICATION

The Air Resources Board (ARB) has verified the following **Donaldson Company** retrofit devices.

- DPM diesel particulate filter (DPF) muffler system with Series 6300 catalyst formulation for specific 1993 through 2004 model year diesel engines used with on-road applications.
- DCM Diesel Oxidation Catalyst (DOC) Muffler with Series 6400 catalyst formulation alone and with the Spiracle Closed Crankcase Ventilation (CCV) Filtration System for 1988 through 2002 model year diesel engines used in on-road applications.
- DFM diesel multi-stage filter (DMF) system with/without the Donaldson Spiracle closed crankcase filtration system for 1991 through 2002 diesel engines used in on-road applications.

All of the above retrofit devices required the use of ultra low sulfur diesel fuel.

For more information visit www.arb.ca.gov/diesel/verdev/verdev.htm

FREE MOVIE PASSES

Receive a free movie pass if you are one of the first 50 people to sign up to receive this newsletter via email.

To participate email your name, email address, phone number and company name to Slange@airquality.org.

EPA ANNOUNCES \$3 MILLION COLLABORATIVE DIESEL EMISSIONS REDUCTIONS RFP

The U.S. Environmental Protection Agency (EPA) has announced the availability of \$3 million in grant monies for projects aimed at reducing diesel emissions in Alaska, Arizona, California, Hawaii, Idaho, Nevada, Oregon or Washington. The grant program is part of the West Coast Collaborative which has awarded more than \$2.6 million in grants for 28 projects since 2004. This year the agency expects to award up to 12 grants ranging from \$50,000 to \$500,000.

EPA is seeking grant proposals for projects that demonstrate new, innovative or experimental approaches to reducing diesel emissions. Past grant projects have included electrifying truck stops and cruise ship terminals, converting restaurant waste oil to biodiesel fuel and establishing a revolving loan fund to reduce locomotive emissions. Proposals are due on March 23, 2006.

For additional information contact: Peter Murchie (206) 890-0196, murchie.peter@epa.gov

MEDIUM HEAVY DUTY HYBRID CERTIFIED BY CARB

The California Air Resources Board (CARB) has certified the **ISE Corporation** ThunderVolt hybrid conversion system for sale in California. The ThunderVolt system is designed for medium, heavy duty buses and trucks between 14,000 lb and 40,000 lb GVWR. Currently, CARB has only certified the system with a 2006 Cummins 5.9 liter engine. The technology with the Cummins engine reduces NOx by 56% and PM by 94%. ISE indicates that a hybrid for heavy, heavy duty vehicles is also in the works.

For further information, contact Gary Willms of ISE at (858) 413-1736, gwillms@isecorp.com

CARB ULTRA LOW SULFUR DIESEL IMPLEMENTATION SCHEDULE

The **California Air Resources Board** (CARB) is phasing in the new ultra low sulfur diesel standard according to the following timeline:

Refineries Producing ULSD **June 1, 2006**
Terminals Selling ULSD **July 15, 2006**
Retailers Selling ULSD **September 1, 2006**

The current 500 ppm sulfur standard was introduced in California in 1993. The new 15 ppm standard will have a tremendous impact on California's smog problem and will apply to both on-road and off-road diesel engines in California. The lower sulfur content is necessary because sulfur destroys the catalyst in diesel engine air pollution control devices. As a direct result, the new sulfur standard will allow the use of emission control technologies which are necessary to achieve compliance with future EPA mandated standards for engines. The new fuel is expected to increase the cost of diesel by 2 to 4 cents per gallon and will contain a lubricity additive.

Sacramento Metropolitan Air Quality
Management District
Mobile Source Division
777 12th Street, Third Floor
Sacramento, CA 95814-1908

PRESORTED
FIRST CLASS MAIL
U.S. POSTAGE PAID
PERMIT NO.24
SACRAMENTO, CA

The Clean
Technologies
Forum is brought to
you by:

SACRAMENTO METROPOLITAN



Co-sponsored by:



Sacramento
Regional Clean
Cities Coalition

THE CLEANER AIR
PARTNERSHIP

*The Partnership is a
joint project of:*

