NEWS RELEASE
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PORT KICKS OFF CONVERSION OF EQUIPMENT TO CLEANER FUEL
Air Quality Improvement Plan Includes Pollution-Control Devices

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Continuing a commitment to enhance air quality, the Port of Long Beach on Friday kicked off an ambitious program to use cleaner-burning diesel fuel in all terminal equipment and outfit the equipment with pollution-control devices.

At a news conference to announce the conversion program, Port officials and terminal operators demonstrated use of the alternative diesel fuel, known as Chevron Proformix^{TM} fuel. They also displayed equipment already outfitted with a special diesel oxidation catalyst, a pollution-control device that reduces odor, noise, carbon monoxide, hydrocarbons, and particulates from exhaust. The diesel oxidation catalyst is manufactured by Lubrizol Engine Control Systems and known as the AZ Purimuffler.

Port tenants Hanjin and California United Terminals have already switched to Proformix^{TM} fuel on all terminal equipment. In addition, the AZ Purimufflers have been added to the engines on 14 utility trucks, forklifts and other equipment used by Hanjin and California United Terminals to handle cargo containers at their Port of Long Beach facilities, with a fleet-wide retrofit expected by the end of summer. Use of Proformix^{TM} fuel does not require engine modifications or replacements when used by itself or in combination with diesel oxidation catalysts.

Emissions from diesel engines using the alternative fuel and outfitted with diesel oxidation catalysts produce 50 percent less particulate matter and 20 percent less nitrogen oxides.

The Port intends to expand this program to other tenants, retrofitting all diesel engines – approximately 1,000 pieces of equipment – with the special catalysts and using alternative diesel fuel exclusively by the end of summer. The Port is providing tenants with more than $2 million in incentives.

“The use of alternative diesel fuel and diesel oxidation catalysts will significantly reduce emissions from Port operations,” Port of Long Beach Executive Director Richard D. Steinke said. “I congratulate Hanjin and California United Terminals for being forward-thinking and joining the Port in our ongoing dedication to a healthy environment.”

The effort is part of the Port’s comprehensive Air Quality Improvement Program, which includes a wide variety of measures aimed at reducing diesel emissions resulting from Port operations.

Among other measures, the program includes converting Port-operated vehicles to alternative fuels, promoting more efficient operations to reduce truck congestion and idling, and studying the use of electricity

rather than diesel engines to power ships at berth.

The Air Quality Improvement Program exceeds state and federal regulations. The U.S. Environmental Protection Agency in April announced proposed rules designed to reduce emissions from off-road vehicles such as the utility tractors and forklifts operated at Port terminals. Those proposed rules are not expected to take effect until 2008.

The air quality effort is just one element of Healthy Harbor Long Beach, the Port's comprehensive initiative to improve air quality, water quality and wildlife habitats through existing and new programs. Additional elements will be introduced over the upcoming year.

Friday's news conference was attended by Assemblyman Alan Lowenthal (D-Long Beach), officials with the California Air Resources Board and others who praised use of alternative diesel fuels and pollution-control devices. Also on hand were representatives from California United Terminals; Hanjin; Marine Terminals Corporation; Chevron Products Company; General Petroleum and the Lubrizol Corporation. Chevron manufactures Proformix™ and General Petroleum, one of the largest ChevronTexaco-brand lubricant marketers, delivers Proformix™ to the terminal operators.

Using $1 million in grant money from the California Air Resources Board, the Port is paying for the installation of diesel oxidation catalysts in tenant equipment. In addition, the Port is also setting up an incentive fund to defray increased tenant costs associated with use of the alternative diesel fuel.

Proformix™ is a "water-in-fuel" diesel blend that utilizes Lubrizol's PuriNOx™ technology to lower particulate matter and nitrogen oxide emissions in diesel engines. The fuel is manufactured using a high-shear blending process that creates water droplets under one micron in size. These droplets are encapsulated by additives that prevent them from coalescing, making them invisible to the engine while improving combustion to reduce emissions.

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