

subject 1111

BOARD OF HARBOR COMMISSIONERS	
COMMISSION SECRETARY/ANALYST	
EXECUTIVE DIRECTOR	
DEP. EXEC. DIR., MARITIME AFFAIRS	
DEP. EXEC. DIR., DEVELOPMENT	
DIRECTOR OF ADMINISTRATION	
CHIEF FINANCIAL OFFICER	
DIRECTOR OF COMMERCE	
DIRECTOR OF PORT OPERATIONS	
ACCOUNTING	
CITY ATTORNEY H.D.	
CLERICAL SVCS., 4TH FL.	
CONSTRUCTION & MAINTENANCE	XX
CONSTRUCTION MANAGEMENT	
EMERGENCY PREPAREDNESS COORD.	
ENGINEERING	
ENVIRONMENTAL	
EXECUTIVE ASSISTANT	
FINANCIAL MANAGEMENT	

CITY OF LOS ANGELES
HARBOR DEPARTMENT
OFFICE MEMORANDUM

Date July 9, 19 90

GRAPHIC SERVICES	
INFORMATION SYSTEMS	
INTERNAL MGMT. CONSULTANT	
MANAGEMENT SERVICES	
MARINA OFFICE	
MARKETING	
PERSONNEL SERVICES	
PLANNING & RESEARCH	
PORT PILOTS	
PORT WARDEN	
PROPERTY MANAGEMENT	
PUBLIC & COMMUNITY RELATIONS	
PURCHASING	
RISK MANAGEMENT	
TEST LAB	
TREASURY MANAGEMENT	
2020 PROGRAM	
WHARFINGER	

SUBJECT: OMSIAR_FUEL_ADDITIVES

The following represents the results of research on the nature, use, and testing of Omstar fuel additive products. During the course of this research, the following agencies/individuals were contacted and interviewed regarding their involvement in the testing and use of these additives:

- * Department of Airports, (City of Los Angeles-LAX), Joseph R. Clair, Jr., Manager Landside Operations, stated that after 18 months of testing D-1280X in 43 buses, a significant decrease in smoke opacity, as measured by a Wager 650 smoke opacity meter, was achieved. The inclusion of a provision requiring the use of D-1280X or a similar fuel additive has been proposed for future agreements with licensed passenger stage corporations at LAX.
- * American President Lines, Ltd., Mike Caswell, Manager of Equipment Maintenance, stated that after two years of testing D-1280X on 48 vehicles, a lowering of smoke opacity, as measured by a Wager 650 smoke opacity meter, and an increase in both power and mileage occurred as a result of using this product.
- * California Air Resources Board, Rose Castro, Manager Aftermarket Products, stated that the most recent California Air Resources Board testing of Omstar products showed a statistically significant reduction in smoke opacity, as measured by a Wager 650 smoke opacity meter. Tests were conducted on vehicles supplied by the Department of Water and Power. Information on the section of Department of Water and Power that supplied the vehicles and what they are considering for their fleet is not available at this time.

The Mayor's Office requested the Department of Water and Power to provide eight 6.2 liter diesel-powered trucks weighing less than 8,500 pounds with approximately the same mileage for use in testing procedures. Efforts will continue to be made to obtain this data, and, if successful, the results will be forwarded for your review.

* California Environmental Engineering, Larry Swiencke, Laboratory Manager, conducted and reviewed the results of tasting on the motor vessel Condor, performed at the Port of Los Angeles.

* Environmental Affairs Department (City of Los Angeles), Dee Allen, Environmental Supervisor, reported that smoke opacity was significantly reduced, as measured by a Wager 650 smoke opacity meter, during the course of testing of D-1280X requested by the Port of Los Angeles and conducted by California Environmental Engineering on the motor vessel Condor.

* Hudson General Corporation, Walter Schwartz, Maintenance Manager, stated that during an 18 month period an 80 percent reduction in smoke opacity was experienced* as measured by a Wager 650 smoke opacity meter. Observation also seems to indicate decreased engine wear.

* Magnolia School District, Pam Odorne, Supervisor of Transportation, stated that, after an initial increase, the diesel mileage seems to have returned to pretest levels. Gasoline mileage increased by 2.1 miles per gallon and remains at that level.

* Metropolitan Stevedore Company, James Keeter, Maintenance Foreman, stated that, after one month of testing conducted on several makes of vehicles/engines, no difference could be identified between smoke opacity before and after treatment. No testing equipment of any kind was used. Results were based solely on visual observation.

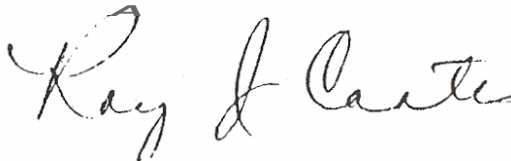
* Airport Cruisers, Debra Mintz, Manager, stated that she experienced a 12 percent increase in mileage and a 26 percent reduction in smoke opacity, as measured by a Wager 650 smoke opacity meter, during eight to nine weeks of testing.

* Southern California Air Quality Management District, Dr. Margil Wadley, Manager Laboratory Services, outlined Southern California Air Quality Management District test procedures used in laboratory analysis of Omstar products and interpreted results of this analysis.

The procedure revealed minimal levels of metals in D-1280X, no carcinogens* and the fact that **this** product is virtually ashless on ignition.

Also contacted: Howard Cain, Director of Fleet Services, General Services; Mary Keating, Management Analyst II, Police; Bill Marsch, Assistant Chief, Fire; all of whom indicated that their Departments are not participating in any testing of these products. Fred Leska, Fleet Fuel Coordinator* Department of Water and Power, stated that he had no knowledge of any Omstar product or of any planned testing of the products by the Department or water and power. Dr. Alan Lloyd* Chief Scientist, Southern California Air Quality Management District; Frank Merino, Superintendent of Maintenance and Repair, American President Lines, Ltd.; and T. Bradford Sales, Former Deputy, Air Quality for Councilman Richard Alatorro provided substantiation of information obtained from sources outlined elsewhere in this report.

No contact with Mobil Oil Corporation was possible to address Construction and Maintenance Division concerns about the compatibility of synthetic motor oil (DELVAC), used throughout the Construction and Maintenance Division, and Omstar fuel additive products. Efforts will continue to be made to obtain this data. When information becomes available, it will be forwarded for your review.



ROY J. COOTES, DIRECTOR
Port Construction and Maintenance

RJC:wyb