

TO: Mike Samulski, EPA-AA

FROM: Jim Carroll, SwRI

SUBJECT: Weekly Progress Report for Work Assignment 05, EPA Contract EP-C-05-018

Period From: August 12, 2005 To: August 18, 2005

PERCENTAGE OF WORK COMPLETED:

Task or Item	Level of Effort, %	Hours	Target Completion Date
All tasks	97	1323	September 30, 2005

Past Progress:

The 5.7L engine for the SeaRay 220 boat was run-in and baseline emission testing was performed. Data from the emission tests and catalyst monitoring sensors will be compiled and forwarded. Photos of the HEGO monitor catalysts as received and as mounted to the engine are shown below. The catalysts were double jacketed in order to put an air gap between the water jacket and the metal substrate walls.

The Maxum boat was delivered to Rockport.

We began installation of the data acquisition system and Texas Parks and Wildlife equipment on the SeaRay 220 boat.

Projected Activity:

We plan to remove the SeaRay 220 5.7L engine from the test cell, install it in the boat, and then perform a freshwater shakedown test to verify engine operation and data acquisition. We plan to deliver the SeaRay 220 to Texas Parks and Wildlife in Corpus Christi next week.

Other:

A meeting in Corpus Christi will be held on August 24 between all interested parties of EPA, CARB, Coast Guard, and the NMMA to discuss the project. All saltwater boats will be available for inspection and operation.



FIGURE 1. METALIC CATALYST WITH HEGO MONITOR BUNG

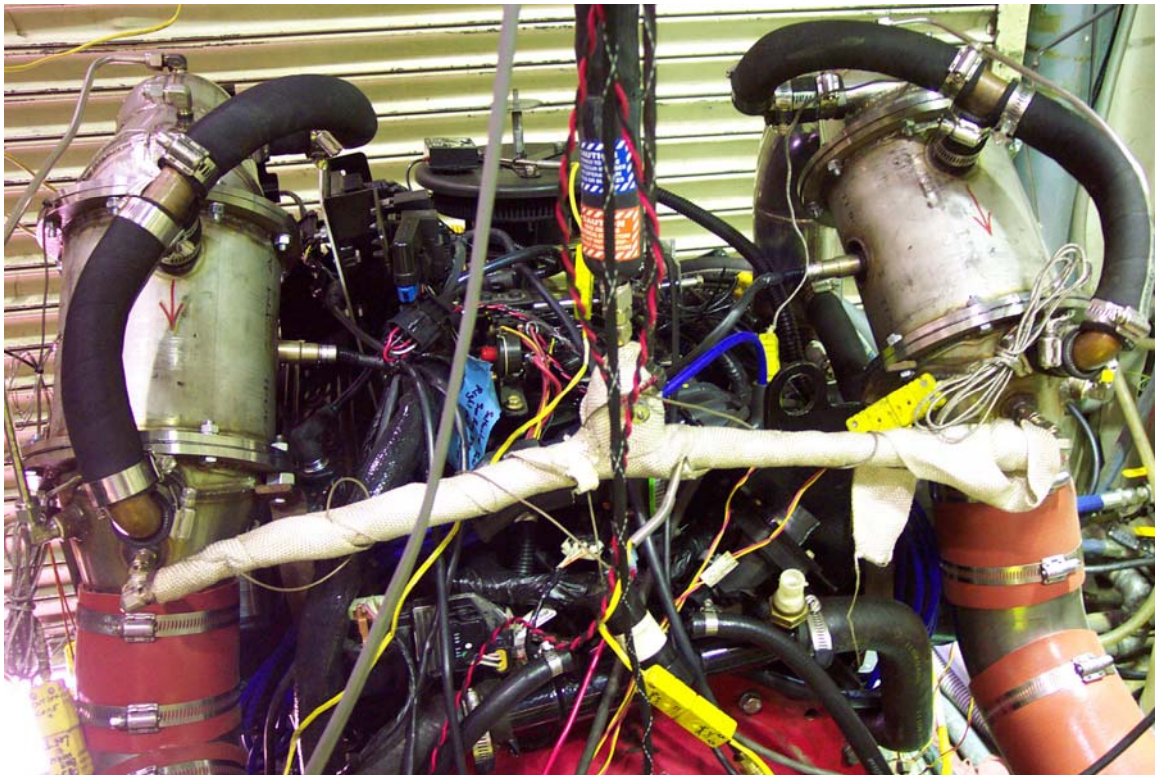


FIGURE 2. AIR-GAP AND WATER-JACKETED CATALYST WITH HEGO MONITORS MOUNTED TO ENGINE