American Clean Energy Systems, Inc.

Construction Company

Test Period: July 2004 ~ December 2004

ACES Diesel Catalyst	CAT D8N	CAT D8R	CAT D9N*	CAT 777D	CAT 5110B
Percent Change	Reduced fuel consumption by 18% or greater on all machines.				

Summary: When **ACES Diesel Catalyst** & **ACES Oil Catalyst** were used, all machines tested experienced a net fuel savings of 18%. Based on these results, if this company's estimated fuel consumption equals 1.5 million gallons per year they would save approximately 292,000 gallons of fuel.

***ACES Diesel Catalyst & ACES Oil Catalyst used simultaneously.**

Test Period: July 2004 ~ August 2004

Notes: During the testing period temperatures were taken on four separate days over a five week period. Before ACES oil catalyst was introduced to the system, air temperature was recorded at an average of 67.5°F. After ACES oil catalyst was introduced to the system the average air temperature had risen to 83.8°F Therefore, even with higher air temperatures, ACES oil catalyst continued to lower hydraulic temperature.

ACES Oil Catalyst	CAT API 055B
Hydraulic Pump Temperature Without ACES	157.4°F
Hydraulic Pump Temperature With ACES	134.8°F
Percent Change	14.3%

Summary: As a result of the test it could be seen that engine life was extended by 14%.