S.3 Engine Study Group
Engine Performance Survey
Official Fleet Survey

Two years have passed since North American fleets first took delivery of vehicles equipped with emissions reducing technology to meet the U.S. Environmental Protection Agency's 2010 model year regulations. Early indications from fleets are that the new engines are performing better than their 2007-compliant predecessors, but some lingering questions remain about engine reliability, durability, and maintainability. By January 2012, many of these 2010-generation engines will have accumulated 200,000 miles or more since being placed in service.

Now is a good time for fleets to provide valuable input on the performance of EPA 2007 and 2010 diesels. Please take a few minutes and share with us your fleet's assessment of EPA 2010 compliant engines as compared to their 2007 and 2004 generation predecessors. Complete and return the following survey by December 21, 2011. The results will be summarized and reviewed at TMC's 2012 Annual Meeting, to be held February 20-23 at the Tampa Convention Center in Tampa, Fla.

Thank you for supporting this important effort.

Sincerely,

TMC's S.3 Engine Study Group

(continued)

S.3 ENGINE PERFORMANCE SURVEY (code: web)

DEMOGRAPHICS

1. Which of the following best describes your company's operation? (Check all that apply)

☐ Motor Carrier	☐ Private Carrier
☐ Vocational	☐ Leasing
☐ Long Haul (Over 500 miles/trip)	☐ Truckload
☐ Regional (250-500 miles/trip)	☐ Less-Than-Truckload
☐ Short Haul (under 250 miles/trip)	☐ Pick up & Delivery

☐ Other:_____

2. What area of the continental U.S. does your fleet operate?
(Check all that apply; if all apply, just check "Nationally")

☐ Northeast	☐ Southeast	☐ Nationally
☐ Midwest	☐ South Central	
☐ Mid-Atlantic	☐ Southwest	

3. How many of the following pieces of equipment does your fleet operate?

Day Cab Tractors	_____	Sleeper Cab Tractors	_____
Other Tractors	_____	Straight Trucks	_____

4. What percentage of your fleet's Class 7-8 tractors are powered by:

_____ EPA 2010-compliant engines? _____ avg. annual fleet mileage

_____ EPA 2007-compliant engines? _____ avg. annual fleet mileage

_____ EPA 2004-compliant engines? _____ avg. annual fleet mileage

_____ Older model year engines? _____ avg. annual fleet mileage

(continued)

QUESTION 5	U.S. EPA 2010 Vehicles			U.S. EPA 2007 Vehicles			
	Place an X in the appropriate column below for each question:						
Based on your fleet's experience, how do you rate EPA 2010- and 2007-compliant engines in each of the following categories?	Better than EPA '07	Same as EPA '07	Worse than EPA '07	Better than EPA '04	Same as EPA '04	Worse than EPA '04	Comments
ENGINE							
Fuel Economy							
Engine Performance							
Engine Durability / Reliability							
Engine Maintenance Intervals							
Engine Maintenance Issues							
AFTERTREATMENT							
Aftertreatment System Durability / Reliability							
Aftertreatment Maintenance Intervals							
Aftertreatment Maintenance Issues							
Particulate Filter Availability (Indicate either: B—Below Expectation or S—Satisfactory)							
EGR-related Component Failure Rates							
Other Emission Component Failure Rates (Indicate either: B—Below Expectation or S—Satisfactory)							
DIESEL EXHAUST FLUID (DEF) ISSUES							
DEF Availability (Indicate either: B—Below Expectation or S—Satisfactory)							
DEF Dispensing / Storage (Indicate either: B—Below Expectation or S—Satisfactory)							
DEF Consumption (Indicate either: B—Below Expectation or S—Satisfactory)							
DRIVER							
Driver Satisfaction							
Driver Understanding of Aftertreatment System							
Driver Understanding of Fault Codes/ Dash Lamps							
VEHICLE AVAILABILITY							
Out of Service Time							
Road Breakdowns							
Replacement Parts Availability							
SERVICE AND SUPPORT							
OE Support (Maintenance & Training) & Warranty							
Backwards Compatibility of Maintenance Components (oil, coolants, etc.)							
Requirement for New Maintenance Tools							
Serviceability, Ease of Diagnosing/ Working with System							

(continued)

QUESTION 5 (continued)	US EPA 2010 Vehicles			US EPA 2007 Vehicles		
	Place an X in the appropriate column below:					
Based on your fleet's experience, how do you rate EPA 2010- and 2007-compliant engines in terms of:	Better than EPA '07	Same as EPA '07	Worse than EPA '07	Better than EPA '04	Same as EPA '04	Worse than EPA '04
OVERALL MAINTENANCE COST?						
BY WHAT PERCENTAGE? (indicate the percentage difference in the appropriate block to the right)						

General Comments (Attach additional sheets if necessary):

PLEASE RESPOND NO LATER THAN DECEMBER 20, 2011

By mail:
Engine Performance Survey
Attn: Robert Braswell
950 N. Glebe Road, Suite 210
Arlington, VA 22203
By fax: (703) 838-1701
By e-mail: tmc @trucking.org

Thank you for your participation in this survey. All of your answers will remain confidential. (code: dweb)

Name:_____(optional) Company:_____