

Heavy-duty Diesel-fueled Vehicle Repair Durability Testing Participation Questionnaire Form

The California Air Resources Board (CARB) is trying to reduce emissions from on-road diesel heavy-duty trucks. To reduce these emissions, CARB needs to do emissions testing to better understand how emissions are produced and then determine how best to reduce them. One of the ways by which emissions are produced is when a truck's emission control system or engine parts are broken. CARB wants to find out how much the emissions are reduced if a truck with a broken emission control system or emissions related engine part is repaired, and for how long the repairs last (i.e., how durable is the repair). Your participation will help CARB in its efforts to better understand and reduce air pollution from heavy-duty trucks.

For this study, we are looking for 2013 and newer heavy-duty diesel trucks with broken emissions control parts. For example, if the exhaust aftertreatment systems, such as the diesel particulate filter or the selective catalytic reduction system, on your truck is not working, we may be interested in emission testing it. If the truck is selected for the testing project, you will be paid a weekly rental fee, your emissions control system will be repaired, and these repairs will be paid for by the CARB. Your truck will be transported to El Monte, CA, and kept for the duration of 2 to 8 weeks. We will ensure that all repairs will be done properly.

Additionally:

- Your truck will be washed.
- Your truck will be returned with a full tank of fuel and DEF.
- You will be paid a rental fee for allowing us to inspect and preliminarily test the air pollutants from your truck.
- If we decide to keep your truck for more testing, you will be paid for each week that we keep your truck,
- If we will do emissions-related repairs to the aftertreatment systems on your truck, again it will be done at no cost to you. You will be given copies of all of the repair invoices.

Please answer the following questions to determine your eligibility for the test project

What is the model year, transmission type, vehicle identification number ("VIN") and engine family? The "engine family" can be found on a decal located on the engine.

Vehicle Identification Number _____

Engine Family _____

Air Conditioned: YES [] NO []

1. Are you the original owner of the vehicle?

NO [] YES []

2. What is the odometer reading? _____ miles.

3. When and where did you purchase the vehicle?

Date: _____ Dealer: _____

4. Have you kept records of the maintenance and repairs performed on your vehicle?

NO []

YES [] Would you allow them to be reviewed and duplicated? NO [] YES []

5. Have you ever used an engine oil additive in your vehicle?

NO []

YES []

What kind? _____

How many times? _____

6. Have you ever used synthetic engine oil in your vehicle?

NO []

YES []

What kind? _____

How many times? _____

7. Has your vehicle been operated outside of the U.S.?

NO []

YES []

Was the vehicle fueled outside of the U.S.?

NO []

YES []

8. Has your vehicle ever been in an accident or been stolen?

NO []

YES []

What repairs were performed? _____

What was the cost of the repairs?

9. Has your check engine light or emission warning light ever come on during normal vehicle operation at any time other than start-up?

NO []

YES []

How many times? _____

Was your vehicle repaired at an authorized dealership?

YES [] NO []

Do you perform repairs in house?

YES [] NO []

How many miles was the vehicle driven before it was repaired? _____ miles

What repairs were performed to correct the problem? _____

10. What brands and types of fuel are used in your vehicle?

Brands used: _____

Types used: _____

11. Have you ever used a fuel additive in your vehicle?

NO []

YES []

What kind and how many times? _____

12. Has your vehicle's SCR catalyst been replaced?

NO []

YES []

At what mileage: _____ By whom:

13. Has your vehicle's DPF been replaced?

NO []

YES [] At what mileage : _____ By whom

14. Have any of the following special devices been installed on your vehicle?

NO YES

a Fuel Injection Equipment [] []

b Electrical Equipment (e.g., cellular phone, alarm system, etc) [] []

(describe) _____

c Other (describe) _____

15. Has any maintenance been performed to correct a problem on your vehicle in the following areas?

	NO	YES
Engine	[]	[]
Fuel injection system	[]	[]
Drive train	[]	[]
Exhaust system	[]	[]
Ignition system	[]	[]
Cooling system	[]	[]
Fuel tank	[]	[]
Emission control system	[]	[]
On-Board Diagnostic codes (check engine light)	[]	[]

If any answer is YES, please describe.

Date: _____ Mileage: _____

Performed by: _____

Description (what & why): _____

16. To the best of your knowledge, have any vehicle adjustments or emission control system components been altered, modified or disconnected?

NO [] Unknown []

YES [] Please describe.

Date: _____ Mileage: _____

Performed by: _____

Description (what & why): _____

17. Have you observed any of the following performance problems?

	Never	Occasionally	Frequently
Hard starting	[]	[]	[]
Poor cold performance	[]	[]	[]
Poor acceleration	[]	[]	[]
Hesitation	[]	[]	[]

Stalling	[]	[]	[]
Backfire	[]	[]	[]
Engine knock or ping	[]	[]	[]
Other performance problems	[]	[]	[]

18. Has your vehicle been involved in a recall?

NO []

YES [] Approximate Date: _____ Where? _____

Describe the Recall: _____