



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, ILLINOIS 60604**

DATE: JUL 19 2019

SUBJECT: CLEAN AIR ACT INSPECTION REPORT
CDE Truck and Repair, Joliet, Illinois

FROM: Marie St. Peter, Environmental Engineer
AECAB (MN/OH)

THRU: Dakota Prentice, Acting Section Chief
AECAB (MN/OH)

TO: File

BASIC INFORMATION

Facility Name: CDE Truck and Repair

Facility Location: 2123 S. Chicago St., Joliet, Illinois

Date of Inspection: June 22, 2019

EPA Inspector(s):

1. Marie St. Peter, Environmental Engineer
2. Ethan Chatfield, Environmental Engineer

Other Attendees

1. David Vargas, Owner, CDE Truck and Repair

Contact Email Address: cdetruckandcarrepair@hotmail.com

Purpose of Inspection: Clean Air Act (CAA) Title II – Vehicle and Engine Tampering

Facility Type: Heavy-duty diesel-engine maintenance garage

Regulations Central to Inspection: CAA Section 203(a)(3)(a) and 203(a)(3)(b) – motor vehicle tampering and defeat device prohibitions

Arrival Time: 11:50 AM

Departure Time: 2:16 PM

Inspection Type:

- ☒ Unannounced Inspection
- ☐ Announced Inspection

OPENING CONFERENCE

- ☒ Credentials Presented
- ☒ CBI warning to facility provided

The following information was obtained verbally from Mr. David Vargas unless otherwise noted.

Process Description:

CDE Truck and Repair (CDE) is an automotive repair shop that provides multiple services, including exhaust system repairs and oil changes to heavy duty diesel vehicles.

Staff Interview: Mr. Chatfield and Ms. St. Peter talked to Mr. Vargas about the general operations at CDE. He said that they do general repairs and maintenance to semi-trucks. When asked about potential engine control monitor (ECM) work, Mr. Vargas stated that CDE does not alter the ECM's fuel injection timing or emission controls. Additionally, in certain cases, CDE has replaced the ECM in a vehicle. When asked about the source of a replacement ECM, Mr. Vargas stated CDE typically sources them from dealerships; yet, at the same time, the customer is allowed to acquire a cheaper ECM from a junkyard. Mr. Vargas also stated that CDE outsources its ECM programming to the dealer, and that some junk yards have reprogrammed the ECMs it receives from customers. Mr. Vargas stated that CDE has never removed any emission controls.

When asked about diesel exhaust fluid and diesel particulate filter (DPF) work, Mr. Vargas said CDE does the regeneration portion of the work and then sends the equipment out to be cleaned.

Additionally, after inspecting two heavy-duty diesel engines, Mr. Vargas discussed some of the recent work that had been done on those vehicles. The first, was a 2010 Freightliner semi-truck with a Detroit Diesel engine. He said that it has a major oil leak, but that no engine work had been nor was planned to be done on that vehicle.

The second was a 2008 Peterbilt semi-truck with a Cummins engine. He said that it has had its EGR replaced two or three times. The first time was two or three years prior to the time of EPA's inspection. That replacement was covered under the manufacturer's warranty. Mr. Vargas also stated that it had a bad catalytic converter, received an oil change, and had some DPF problems. Regarding the DPF problems, CDE had sent the filter out to be cleaned but still needed to go through its regeneration codes.

TOUR INFORMATION

EPA toured the facility: Yes

Data Collected and Observations:

- EPA performed on-board diagnostic (OBD) scans on two vehicles (Attachment 1)
- Vehicle inspection worksheets were completed on two vehicles (Attachment 2)

Photos and/or Videos: were taken during the inspection.

Field Measurements: were taken during this inspection.

RECORDS REVIEW

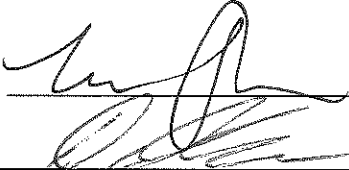
No records were reviewed on site

CLOSING CONFERENCE

Requested documents:

At the time of inspection, EPA did not request any additional documents.

SIGNATURES

Report Author:  Date: 7/19/2019

Section Chief:  Date: 7/19/19

Facility Name: CDE Truck and Repair
Facility Location: 2123 S. Chicago St., Joliet, Illinois
Date of Inspection: June 22, 2019

APPENDICES AND ATTACHMENTS

1. Appendix A: Digital Image Log
2. Attachment 1: CD-R with photos and OBD II Scanner Results
3. Attachment 2: Physical/OBD Inspection Worksheets

Facility Name: CDE Truck and Repair
Facility Location: 2123 S. Chicago St., Joliet, Illinois
Date of Inspection: June 22, 2019

APPENDIX A: DIGITAL IMAGE LOG

1. Inspector Name: Marie St. Peter and Ethan Chatfield	2. Date(s) of Inspection: June 22, 2019
3. Company/Facility Name: CDE Truck and Repair	4. Street Address, City, State: 2123 S. Chicago St., Joliet, Illinois
5. Number of Images: 31	6. Archival Record Location: CD-R Labeled as "CDE Truck and Repair Inspection Photos and OBD Scans, June 22, 2019"

Image Number	File Name	Date and Time (incl. time zone and DST)	Latitude and Longitude	Description of Image
1	P522000 1.JPG	2019:05:22 12:14:04	41.484558, -88.083315	Truck #1 - Prime Line Transportation Operated Vehicle
2	P522000 2.JPG	2019:05:22 12:14:15	41.48442, -88.083322	Truck #1 - Profile View of Hood Internals
3	P522000 3.JPG	2019:05:22 12:15:49	41.48433, -88.083293	Truck #1 - VIN Number
4	P522000 4.JPG	2019:05:22 12:29:32	41.484353, -88.08325	Truck #1 - DelcoRemy Alternator
5	P522000 5.JPG	2019:05:22 12:42:09	41.484317, -88.083278	Truck #1 - Hood Internals Aerial View
6	P522000 6.JPG	2019:05:22 12:42:20	41.484317, -88.083265	Truck #1 - Hood Internals Aerial View Number 2
7	P522000 7.JPG	2019:05:22 12:43:14	41.484323, -88.083258	Truck #1 - illegible Engine Labels
8	P522000 8.JPG	2019:05:22 12:43:21	41.484323, -88.083258	Truck # 1 -Illegible Engine Labels (2)
9	P522000 9.JPG	2019:05:22 12:48:36	41.484318, -88.083265	Truck # 1 - Aerial After Treatment System
10	P522001 0.JPG	2019:05:22 12:50:19	41.484167, -88.083056	Truck # 1 - After Treatment System Pressure Sensor

Facility Name: CDE Truck and Repair

Facility Location: 2123 S. Chicago St., Joliet, Illinois

Date of Inspection: June 22, 2019

11	P522001 1.JPG	2019:05:22 12:50:44	41.484367, -88.083378	Truck # 1 - Aerial View of After Treatment System
12	P522001 2.JPG	2019:05:22 12:50:56	41.484365, -88.083305	Truck # 1 -After treatment System
13	P522001 3.JPG	2019:05:22 12:51:03	41.484365, -88.083305	Truck # 1 - After treatment System
14	P522001 4.JPG	2019:05:22 13:09:58	41.484115, -88.082812	Truck # 2 - 2008 Peterbilt Dashboard
15	P522001 5.JPG	2019:05:22 13:10:11	41.484022, -88.08279	Truck # 2 - Manufacturer info (including VIN number)
16	P522001 6.JPG	2019:05:22 13:10:17	41.484022, -88.08279	Truck # 2 - Date of Manufacture
17	P522001 7.JPG	2019:05:22 13:11:32	41.484153, -88.082883	Truck # 2 - Aftertreatment System w/ Pressure Sensor
18	P522001 8.JPG	2019:05:22 13:11:54	41.484233, -88.08284	Truck # 2 - Aftertreatment System w/ Pressure Sensor
19	P522001 9.JPG	2019:05:22 13:13:37	41.484257, -88.082823	Truck # 2 - Aftertreatment System w/ Pressure Sensor
20	P522002 0.JPG	2019:05:22 13:21:04	41.484167, -88.082778	Truck # 2 - Cummins Engine Serial No.
21	P522002 1.JPG	2019:05:22 13:21:13	41.484263, -88.082925	Truck #2 - Cummins Engine Serial No (2)
22	P522002 2.JPG	2019:05:22 13:22:02	41.484277, -88.082917	Truck # 2 - Cummins Engine Information
23	P522002 3.JPG	2019:05:22 13:22:10	41.484277, -88.082917	Truck # 2 - Cummins Engine Information (2)
24	P522002 4.JPG	2019:05:22 13:23:04	41.48428, -88.082905	Truck # 2 - Cummins Engine Logo (3)
25	P522002 5.JPG	2019:05:22 13:24:05	41.484167, -88.082778	Truck # 2 - Cummins EGR

Facility Name: CDE Truck and Repair

Facility Location: 2123 S. Chicago St., Joliet, Illinois

Date of Inspection: June 22, 2019

26	P522002 6.JPG	2019:05:22 13:24:15	41.484312, -88.082867	Truck # 2 - Cummings Engine Profile View
27	P522002 7.JPG	2019:05:22 13:24:29	41.48432, -88.082868	Truck # 2 - Cummins Intake Manifold
28	P522002 8.JPG	2019:05:22 13:25:07	41.484167, -88.082778	Truck # 2 - Cummins Intake Manifold
29	P522002 9.JPG	2019:05:22 13:31:20	41.484167, -88.082778	Truck # 2 - OBD Photo of Fault Codes
30	P522003 0.JPG	2019:05:22 13:31:40	41.484167, -88.082778	Truck # 2 - 2008 Peterbilt Dashboard
31	P522003 1.JPG	2019:05:22 13:33:15	41.484272, -88.082747	Truck # 2 - Fault Codes / Non matching VIN