



CARB's Mobile Source Certification and In-Use Compliance Programs

April 22, 2021

Presentation Overview

- Mobile Source program goals
- Certification programs
- Application processes and timelines
- In-use programs

Mobile Source Cert/Compliance Goals

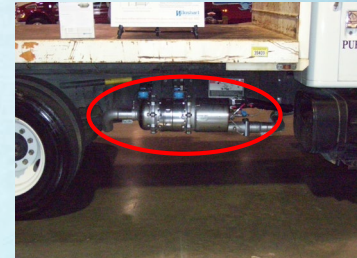
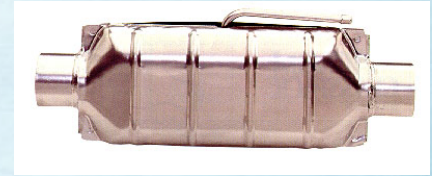
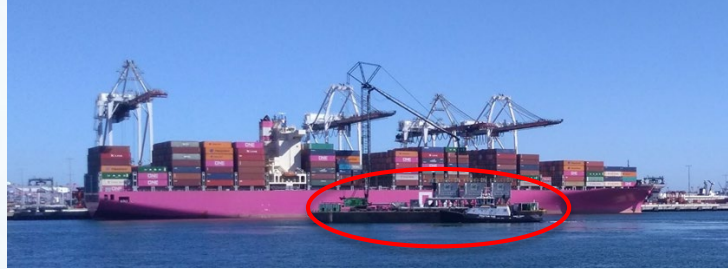
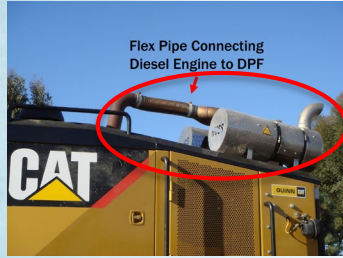
Ensure vehicles and engines durably meet CARB's emission standards and requirements

- Certify that vehicles, engines, and devices meet regulatory requirements before sale in California
- Protect against emission increases from improper emission control system modifications
- Confirm compliance in the field and resolve in-use issues in a timely manner

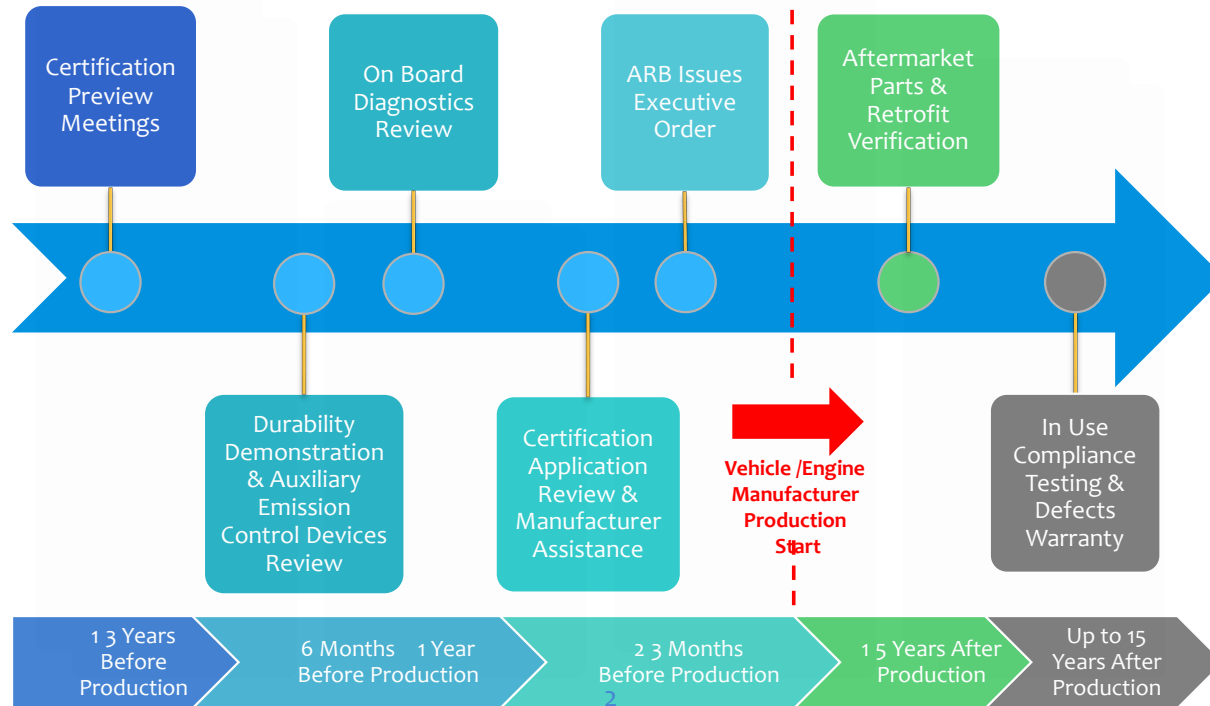
On-Road and Off-Road Certification Categories



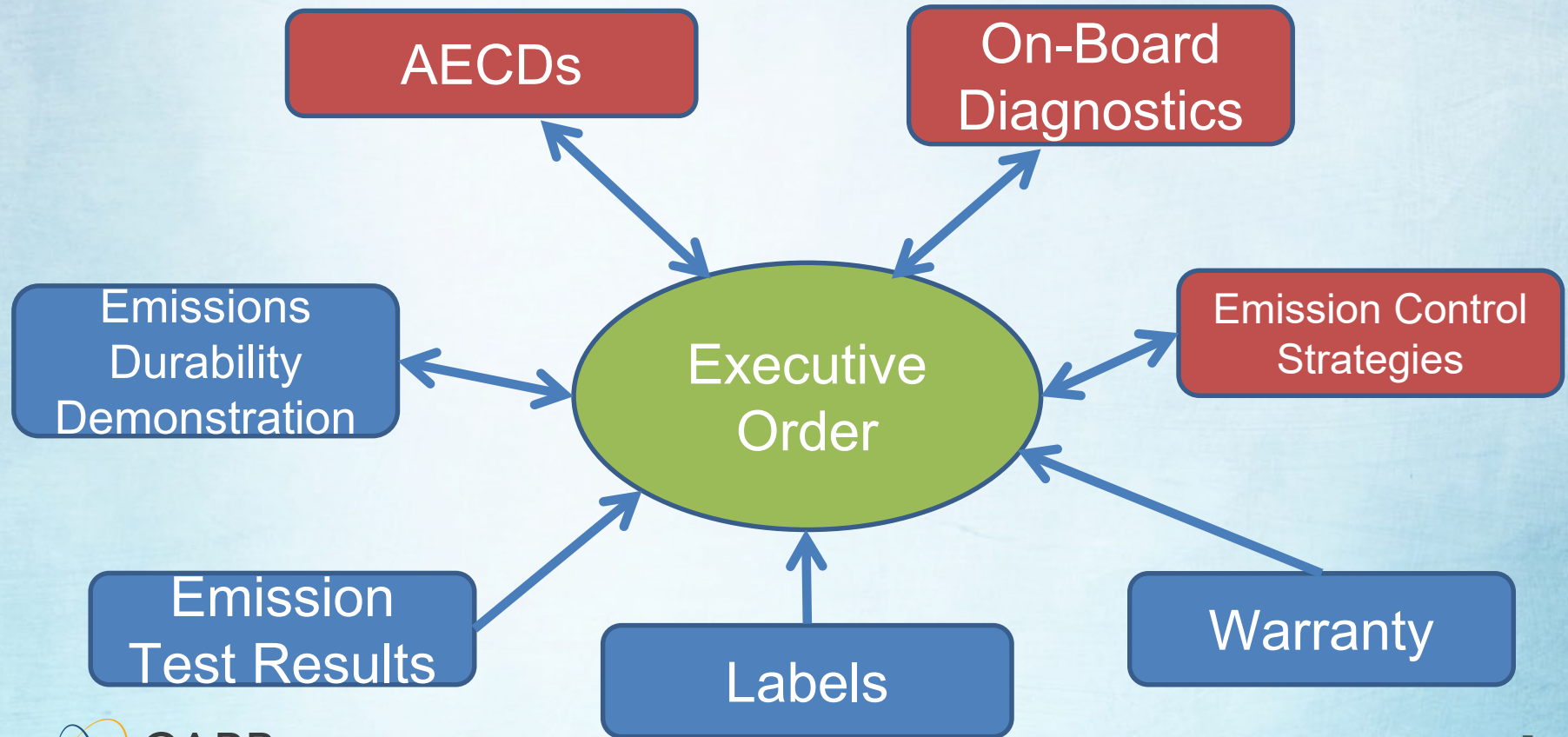
Aftermarket Part and Mobile Source Parts & Retrofit Categories



Certification/Compliance Process Timeline

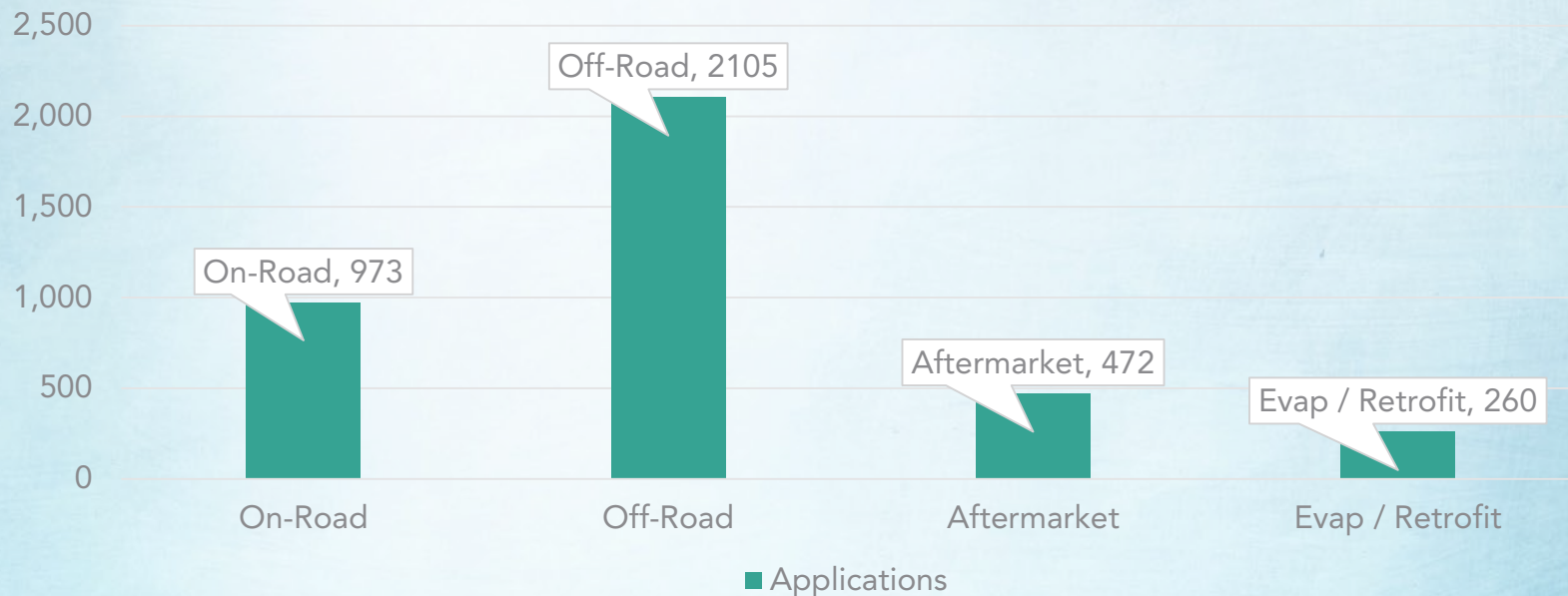


Mobile Source Process: How to get an EO



Activity by Category

Applications received in 2019



Mobile Source Process: EO Issued!

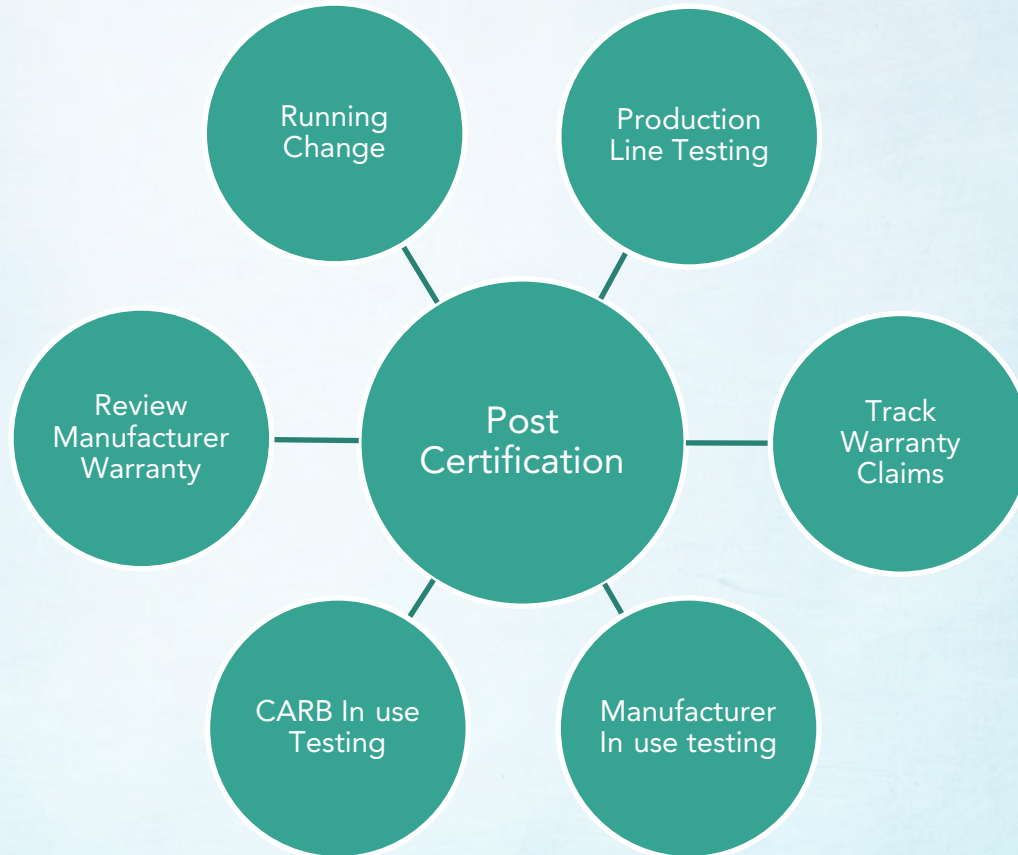
Once Executive Order issued:

- Vehicles, engines legal for sale
- Aftermarket components and systems legal for sale
- Evaporative emission component legal for use in equipment



Approved
for Sale

Mobile Source Process: After the EO



In-Use Compliance Program

Two Paths

1) Manufacturer run in-use testing



If Vehicles are non-compliant

Fix issues found, recall or provide extended warranty

2) CARB tests manufacturers engines/vehicles

Identifies vehicles with potential issues, and procure 10 well maintained

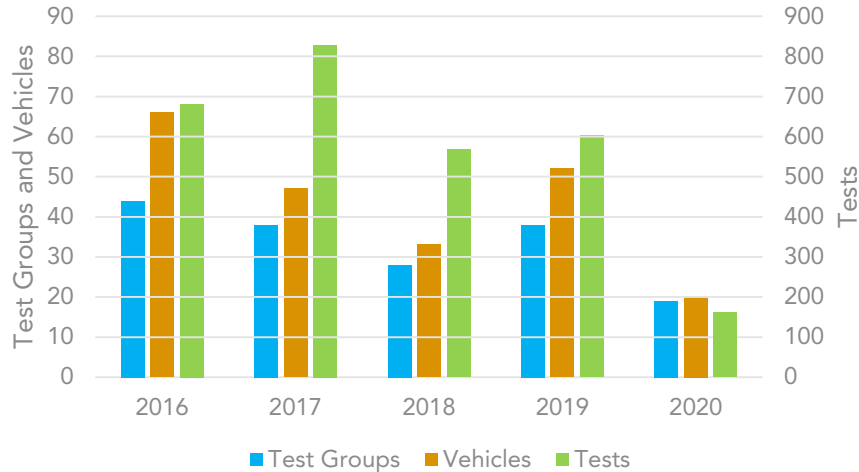


If Vehicles are non-compliant

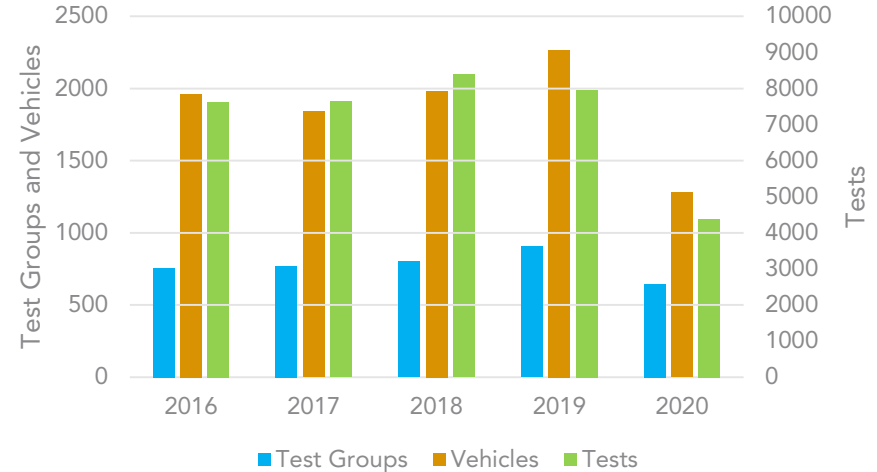
CARB informs manufacturer that needs to fix issues found, recall, or provide extended warranty, or Consent Decree

Light Duty In-Use Compliance Accomplishments

Light Duty In-Use Compliance Program
CARB-run program



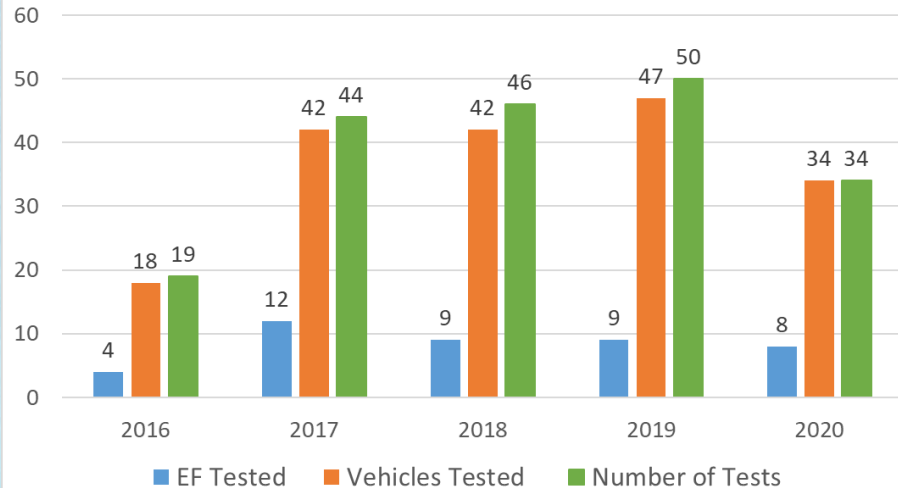
Light Duty In-Use Verification Program
Manufacturer-run program



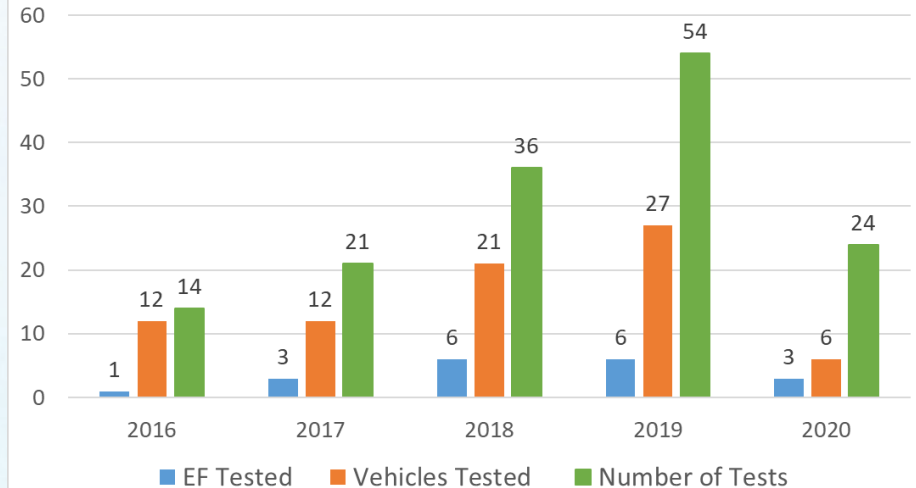
Test Results have lead to the recall of 200,000 vehicles in CA and 2 million vehicles nationwide over the last 5 years.

Heavy Duty In-Use Compliance Accomplishments

Heavy Duty In-Use Testing Program
Manufacturer-run program



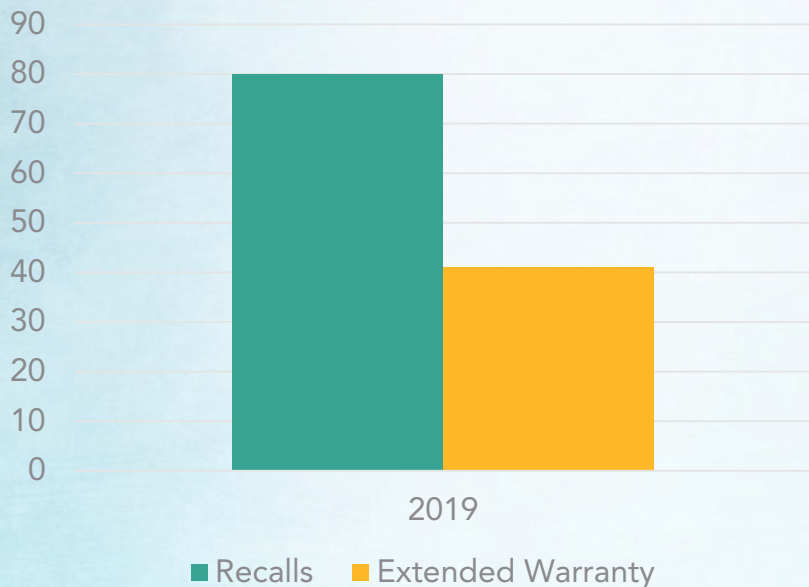
Heavy Duty In-Use Compliance Program
CARB-run program



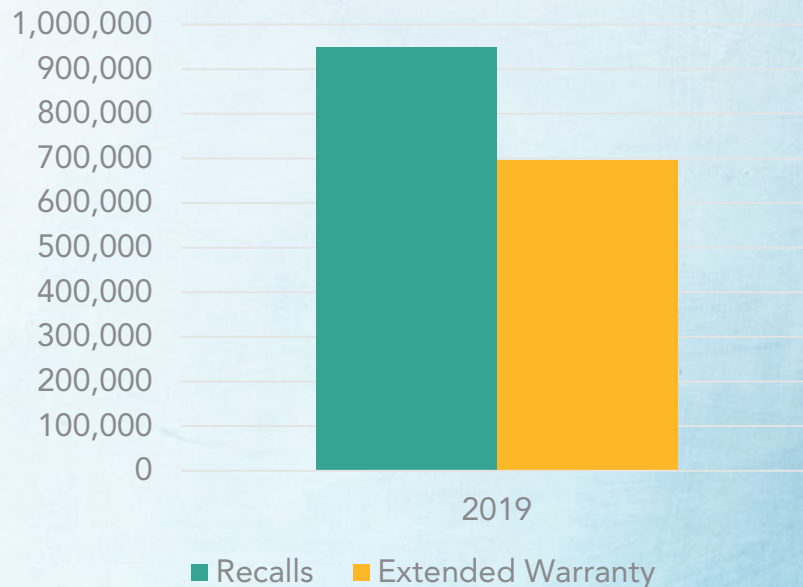
Test results have lead to recall of nearly 50,000 trucks

On-Road Warranty Reporting Program

Number of Corrective Actions



Number of Vehicles Affected



Lab Audits and Field Operations

- Ensure manufacturer and contract laboratory equipment comply with regulatory specifications
- Verify test vehicles or engines are prepared and treated consistently with regulatory procedures
- Field personnel:
 - Conduct vehicle and equipment surveys
 - Review dealership records

CARB Laboratory Testing



Heavy-Duty In-Use Compliance Program Testing

Portable
Emissions
Measurement
System

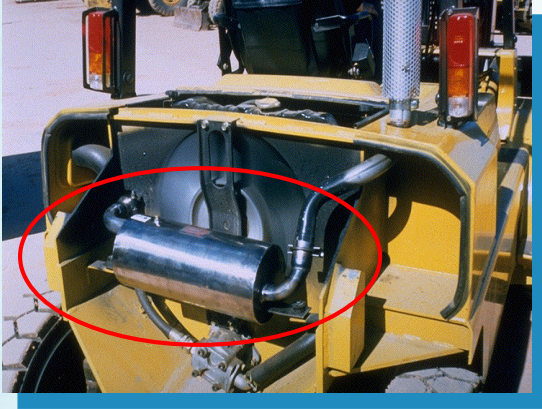


Laboratory Testing

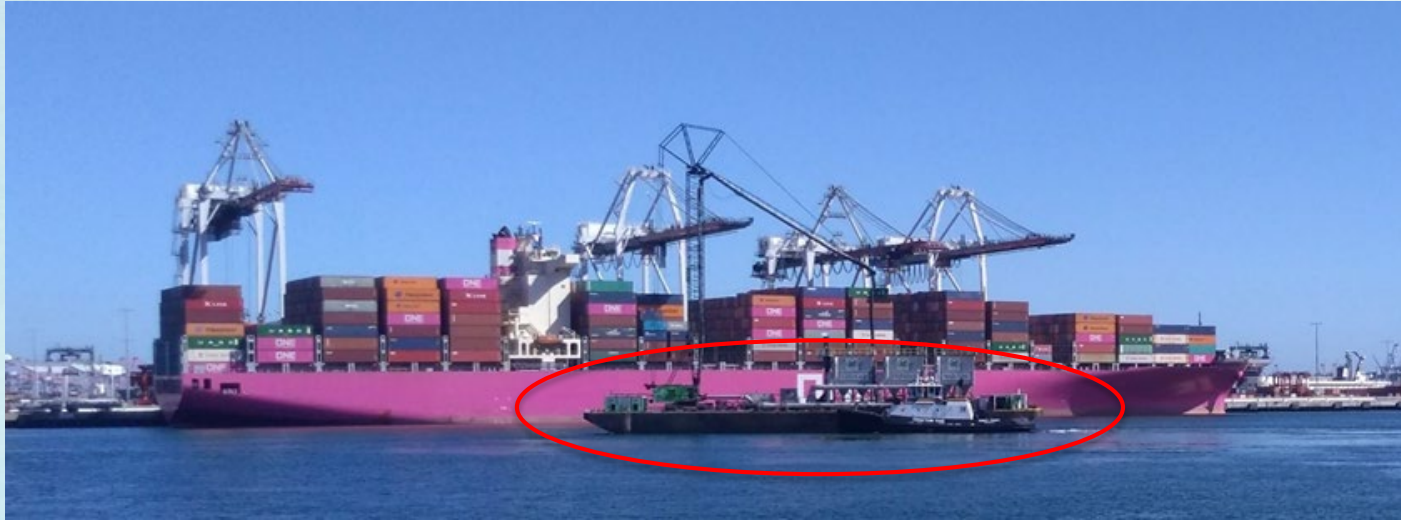
Evaporative Emissions (SHED) Testing



Retrofit Verification Program



At-Berth Capture and Control



Mobile Source Compliance Helps Ensure Clean Air

