Vehicle Maintenance

A reference guide assembled to help your company establish or refine a vehicle maintenance program and get truckin'. This Page Intentionally Left Blank

Vehicle Maintenance

Assembled by Julia F. Wilks and Brianna Olsen of Jay Johnson & Associates, LLC

Published by Jay Johnson & Associates, LLC

Author: Jay Johnson

8010 Wayland Lane Suite 2A Gilroy, CA 95020 Phone: 669-888-5076 Website: www.jjassociates.us

Copyright © 2024 Jay Johnson & Associates, LLC

All rights reserved. No portion of this book may be reproduced in any form without permission from the publisher, except as permitted by U.S. copyright law. For permissions contact: jay@jjassociates.us

Cover by Leslie Sears

LES is MORE Printing & Graphics www.lesismore.us

Additional material used under license from J. J. Keller, Inc.

Preface/Disclaimer

Vehicle Maintenance

This document contains resources provided by Jay Johnson & Associates, LLC. It is not designed as a standalone compliance manual on the topic of Vehicle Maintenance but as a reference resource.

It is not a legal or official document. The information contained herein provides a basis from which a carrier can reference and use as an informational guide for setting up internal processes and programs. For questions or more information, consult the official agency with jurisdiction, or contact the Jay Johnson & Associates, LLC team.

Table of Contents

Introduction	6
Helpful Resource Links	7
JJA Vehicle Maintenance Program Outline	9
Driver Inspection Procedure	11
Driver's Vehicle Inspection Report	12
90-Day Interval Guide	13
CHP 108 Truck and/or Tractor Maintenance & Safety Inspection	14
Annual Vehicle Inspection Report	18
Brake Inspector Qualification Certification	19
Annual Inspector Qualification Certification	20
CARB Overview Fact Sheet	21
CTA CARB Compliance Information Bulletin	26

Welcome to our Vehicle Maintenance Resource Guide for motor carriers created and organized by Jay Johnson & Associates, LLC. In it, we cover California's Basic Inspection of Terminal (BIT) maintenance requirements and provide a high-level overview of the DOT requirements and the California Air Resources Board (CARB) program.

We created this resource for management teams with maintenance responsibility or oversight to help your company establish, or refine, a compliant vehicle maintenance program and get truckin'. It addresses maintenance intervals, daily maintenance requirements, as well as the unique details of a California CHP BIT compliant maintenance program which contains some differences over Federal requirements. Further, it provides guidance on the record retention requirements and CARB compliance.

This resource guide contains current forms from the FMCSA and CHP to ensure you have everything you need. For example, did you know that not all states have maintenance program requirements that are equal to or surpass the Federal requirements? But California's maintenance program does.

Safety in service, excellence in compliance—your vehicle's best ally is Jay Johnson & Associates, LLC.

Helpful Resource Links

Compliance	
https://jjassociates.us/	Have all the details of compliance left you lost? Safety compliance is what we do. Contact us today so we can lead you to be a compliant carrier.
DOT/ INTERSTATE	
FMCSA Unified Registration System (URS)	Motor carriers use the FMCSA Unified Registration System to register their businesses for interstate commerce in the U.S legally.
Updating Your Registration or Authority	You are required to update your authority information when changes within your company occur, and at minimum biennially. This site will explain how to do the update.
Request a PIN Number	Lost your DOT PIN? Use this link to request your DOT PIN be emailed or mailed to you.
The FMCSA Motor Carrier Safety Planner FMCSA Safety Planner Forms Library	This online guide provides explanations and templates to help understand and comply with federal safety regulations. The Safety Planner provides forms and templates that can/should be used by a carrier.
Resources for Passenger Carrier Companies	Information for Passenger Carrying companies. Resources include safety information, registration requirements, and regulation information.
FMCSA Drug and Alcohol Clearinghouse	The Clearinghouse checks are required for all CDL drivers. Here are the instructions. See the dropdown menu on the site for informational resources.
DOT Safety and Fitness Electronic Records (SAFER) System	The Safety and Fitness Electronic Records (SAFER) System offers company safety data to the public. The "Company Snapshot" is a comprehensive overview of the information the FMCSA has for the company.
Unified Carrier Registration Plan (UCR)	Companies involved in interstate travel must pay an annual registration fee based on the total number of vehicles in their fleet. This is the site to register and pay your annual dues.
International Fuel Tax Association Inc. (IFTA)	Companies involved in interstate travel must pay annual fees based on the redistribution of fuel taxes paid by interstate commercial carriers.

International Registration Plan, Inc. (IRP)	As an interstate carrier there are fees that are based on the distance traveled within each state. This is the registration site.
Department of Motor Vehicles	
DMV Motor Carrier Permit Application	Operate in California? You need a Motor Carrier of Property Permit. This application can be done on paper or online at the DMV website.
DMV Employer Pull Notice Program	In California, an MVR is not enough. You must be registered in the Employer Pull Notice Program. A pull notice is generated annually and when there is activity.
CHP/ California - Intrastate	
CHP Commercial Vehicle Section	Guide to helpful information, division contact information, and resources provided by the CHP.
CHP Carrier Inspections Results	This site offers company safety data to the public regarding CHP BIT inspections.
California Vehicle Code	
California Vehicle Code	This link to the California Vehicle code contains information about traffic laws in California.
Title 13 California Code of Regulations	
Title 13 California Code of Regulations	This link to the Title 13 California Code of Regulations contains information about motor vehicle regulations in California.
Title 49 Code of Federal Regulations	
Title 49 Code of Federal Regulations	This link to the Title 49 Code of Federal Regulations contains information about federal motor vehicle regulations.
PHMSA	
Pipeline and Hazardous Materials Safety Administration	The PHMSA website will provide information regarding your placarding, education, and permit requirements for hazmat.
	JJA 12/23

Vehicle Maintenance Program Outline

Daily Vehicle Inspections

Daily vehicle inspections shall be completed every day the vehicle is dispatched.

The inspections shall be turned into the mechanic at the end of the drivers shift for review.

If a defect was discovered and is a potential safety concern the mechanic shall place the vehicle out of service until repairs are made. If the mechanic determines the repairs are not a critical item, it shall be noted on the daily vehicle inspection form.

If a defect is discovered on a daily inspection and repaired, the mechanic shall sign and date the daily inspection form in the appropriate location, certifying the repairs were made and the vehicle is safe for operation on road.

These records shall be retained for at least three months.

90-Day Safety Inspections

Each vehicle shall be inspected at least every 90-days. No vehicle shall exceed the 90-day safety inspection period, unless the vehicle has been placed out of service, in which case the vehicle shall be inspected prior to dispatch.

90-day safety inspections shall be recorded on the CHP 108 form (or similar).

All defects discovered during the inspection shall be recorded regardless of severity.

Vehicles shall be positively identified on the inspection form by license plate number, VIN number, vehicle number and mileage.

The date and signature of qualified inspector is required upon competition of each inspection.

These records shall be retained for at least 12 months.

Lubrication and Preventative Maintenance Services

Lubrication service intervals are determined by the carrier. (Ex. Vehicle serviced every 7,500 miles or Vehicle serviced every 6 months.) Once the interval is determined by the carrier they are required by State and Federal regulation to adhere to the interval chosen.

The CHP 108 (or similar form) may be used for documenting these services as well. In the documentation the phrase "next service due" and the mileage or due date should follow.

All services completed shall be documented (Ex. Oil changed, transmission serviced, tires rotated and so on).

Vehicles shall be positively identified on the maintenance record by license plate number, VIN number, vehicle number and mileage.

These records shall be retained for at least 12 months.

Repair Records

All repairs shall be documented on the CHP 108 form (or similar).

(Ex. 5/21/19, Mileage 154,332 – Replaced windshield wipers, added 1 qt. of 10w30 engine oil and replaced left side brake lamp. See attached invoice and parts receipt).

The vehicle shall be positively identified on these forms as well as date and mileage.

These records shall be retained for at least 12 months.

Record Keeping

If a vehicle defect is discovered during any of the inspections, the maintenance records shall contain at a minimum the following;

Record of repair (including date and mileage)

Record of parts replaced

Receipts for parts and/or labor

Invoices from dealership or repair shop

Any documentation related to the repair

Any person should be able to open the maintenance records and be able to follow the paper trail of repairs. For example:

Let's say during a 90-day safety inspection of truck #101 an inoperative head lamp was discovered. Upon opening the maintenance file for this vehicle, I should see:

The most recent 90-day inspection where the inoperative head lamp was discovered

A receipt from the auto parts store for a head lamp with truck #101 written on it

A written record of the repair being completed on the CHP 108, with date and mileage

A company invoice with parts and labor noted, as well as the vehicle positively identified

Be detailed, use part numbers, filter numbers quantity of fluids added, air pressures, tire sizes. Not only will this ensure safe vehicles on the roadways but at the end of the year you can calculate precise cost of maintenance for each and every piece of equipment.

INSPECTION PROCEDURE

HAVE ALL DEFECTS CORRECTED BEFORE DEPARTURE

- 1. Approaching vehicle note general condition. Look for leakage of water, fuel or lubricants under vehicle.
- 2. Under hood check water and crankcase levels. Check fan and compressor belts for cracks and excessive slack and wear. Note general condition of engine space.
- 3. Start engine and set at fast idle for warm-up. Check for abnormal engine noise. Check gauges for normal readings (pilot lights, if equipped), "LOW AIR" warning should operate if air pressure is below 60 pounds. Anti-lock warning light should light briefly and then go out (vehicles with operable anti-lock).
- 4. Check emergency equipment, horn(s), windshield wipers. Turn on all lights including 4way flasher switch for turn signals. Check steering wheel action.
- 5. Leave cab to check headlights and turn signals. Switch headlights on and check both beams, then turn off headlights <u>only</u>. Leave all other lights on.
- 6. Check front clearance and identification lights.
- 7. Check left and right front wheels, tires, lugs or studs. Check for leaks around hubs.
- 8. Check right side of cab, door, mirrors, etc. and check lights and reflectors along right side as inspection progresses.
- 9. Check right rear tractor tires, wheels, lugs or studs. Note any thrown lubricant.
- 10. Check trailer light and brake lines for secure connections. Be sure manual petcocks are open. Be sure lines are properly secured to prevent entangling or chafing.
- 11. Check hook-up: fifth-wheel, jaws, release lever on tractor-trailer, pintle hook, towbar, safety chains, converter gear on full-trailer unit.
- 12. Check right trailer tires, wheels, lugs or studs. Check for thrown lubricant.
- 13. Check rear of body, mudflaps, rear light (clearance and identification, stop, tail, turn signals), rear reflectors, rear end protection.
- 14. Check left trailer tires, wheels, lugs or studs. Check lights and reflectors on left side as inspection progresses.
- 15. Check left rear tractor tires, wheels, lugs or studs. Check for thrown lubricant.
- 16. Re-enter cab. Re-check all gauges. Air pressure should be at maximum.
- 17. Check parking brake.
- 18. With fully-charged system, check air brakes as follows:
 - a) Be sure Trailer Air Supply valve is "in" and that trailer brake air system(s) are charged. Apply and release brakes with treadle valve.
 - b) Pull out Trailer Air Supply valve to check manual application of trailer brakes.
 - c) Reduce air pressure by rapid application and release of treadle valve. "LOW AIR" warning should operate when primary needle reaches 60 psi. Brakes should apply automatically when secondary needle reaches a point between 45 and 20 psi.
 - d) Recharge trailer air system to check for leaks. With engine idling, apply treadle valve and hold for 1 minute. After initial drop of 5-10 psi, air pressure should not drop more than 4 psi. If audible leaks or rapid pressure drop are noted, have repairs made before departure.
- 19. Turn-off 4-way flasher and actuate left and right turn signals. Proper operation of turn signals can be ascertained by checking front ones.
- 20. Make a test stop before leaving yard. Drain air tanks daily. Check tires twice daily or every 100 miles.
- 21. Use this form to report vehicle condition at end of run.
- 22. A copy of the last inspection report shall be carried with the power unit.
- 23. The motor carrier shall retain the inspection report for at least 3 months.

DON'T FORGET

• FASTEN YOUR SEAT BELT • CHARGE TRAILER AIR RESERVOIRS.

• FOR HAZARDOUS MATERIALS - CHECK PLACARDS AND SHIPPING PAPERS.

Driver's Vehicle Inspection Report

Check Any Defective Item and Give Details Under "Remarks."

DATE:		
TRUCK/TRACTOR NO		
 Air Compressor Air Lines Battery Brake Accessories Brakes Carburetor Clutch Defroster Drive Line Engine Fifth Wheel Front Axle Fuel Tanks Heater 	 Horn Lights Head – Stop Tail – Dash Turn Indicators Mirrors Muffler Oil Pressure On-Board Recorder Radiator Rear End Reflectors Safety Equipment Fire Extinguisher Flags-Flares-Fusees Spare Bulbs & Fuses Spare Seal Beam 	 Springs Starter Steering Tachograph Tires Transmission Wheels Windows Windshield Wipers Other
TRAILER(S) NO.(S)		
 Brake Connections Brakes Coupling Chains Coupling (King) Pin Doors 	 Hitch Landing Gear Lights – All Roof Springs 	 Tarpaulin Tires Wheels Other
Remarks:		
	VE VEHICLE IS SATISFACTORY	
□ ABOVE DEFECTS NEED I	NOT BE CORRECTED FOR SAF	E OPERATION OF VEHICLE
MECHANIC'S SIGNATURE	. <u> </u>	DATE
DRIVER'S SIGNATURE		DATE

90-Day Interval Guide*

INSP.	DUE	INSP.	DUE	INSP.	DUE	INSP.	DUE	INSP.	DUE	INSP.	DUE	INSP.	DUE	INSP.	DUE	INSP.	DUE	INSP.	DUE	INSP.	DUE	INSP.	DUE
1-Jan	1-Apr	1-Feb	2-May	1-Mar	30-May	1-Apr	30-Jun	1-May	30-Jul	1-Jun	30-Aug	1-Jul	29-Sep	1-Aug	30-Oct	1-Sep	30-Nov	1-Oct	30-Dec	1-Nov	30-Jan	1-Dec	1-Mar
2-Jan	2-Apr	2-Feb	3-May	2-Mar	31-May	2-Apr	1-Jul	2-May	31-Jul	2-Jun	31-Aug	2-Jul	30-Sep	2-Aug	31-Oct	3-Sep	2-Dec	2-Oct	31-Dec	2-Nov	31-Jan	2-Dec	2-Mar
3-Jan	3-Apr	3-Feb	4-May	3-Mar	1-Jun	3-Apr	2-Jul	3-May	1-Aug	3-Jun	1-Sep	3-Jul	1-Oct	3-Aug	1-Nov	3-Sep	2-Dec	3-Oct	1-Jan	3-Nov	1-Feb	3-Dec	3-Mar
4-Jan	4-Apr	4-Feb	5-May	4-Mar	2-Jun	4-Apr	3-Jul	4-May	2-Aug	4-Jun	2-Sep	4-Jul	2-Oct	4-Aug	2-Nov	4-Sep	3-Dec	4-Oct	2-Jan	4-Nov	2-Feb	4-Dec	4-Mar
5-Jan	5-Apr	5-Feb	6-May	5-Mar	3-Jun	5-Apr	4-Jul	5-May	3-Aug	5-Jun	3-Sep	5-Jul	3-Oct	5-Aug	3-Nov	5-Sep	4-Dec	5-Oct	3-Jan	5-Nov	3-Feb	5-Dec	5-Mar
6-Jan	6-Apr	6-Feb	7-May	6-Mar	4-Jun	6-Apr	5-Jul	6-May	4-Aug	6-Jun	4-Sep	6-Jul	4-Oct	6-Aug	4-Nov	6-Sep	5-Dec	6-Oct	4-Jan	6-Nov	4-Feb	6-Dec	6-Mar
7-Jan	7-Apr	7-Feb	8-May	7-Mar	5-Jun	7-Apr	6-Jul	7-May	5-Aug	7-Jun	5-Sep	7-Jul	5-Oct	7-Aug	5-Nov	7-Sep	6-Dec	7-Oct	5-Jan	7-Nov	5-Feb	7-Dec	7-Mar
8-Jan	8-Apr	8-Feb	9-May	8-Mar	6-Jun	8-Apr	7-Jul	8-May	6-Aug	8-Jun	6-Sep	8-Jul	6-Oct	8-Aug	6-Nov	8-Sep	7-Dec	8-Oct	6-Jan	8-Nov	6-Feb	8-Dec	8-Mar
9-Jan	9-Apr	9-Feb	10-May	9-Mar	7-Jun	9-Apr	8-Jul	9-May	7-Aug	9-Jun	7-Sep	9-Jul	7-Oct	9-Aug	7-Nov	9-Sep	8-Dec	9-Oct	7-Jan	9-Nov	7-Feb	9-Dec	9-Mar
10-Jan	10-Apr	10-Feb	11-May	10-Mar	8-Jun	10-Apr	9-Jul	10-May	8-Aug	10-Jun	8-Sep	10-Jul	8-Oct	10-Aug	8-Nov	10-Sep	9-Dec	10-Oct	8-Jan	10-Nov	8-Feb	10-Dec	10-Mar
11-Jan	11-Apr	11-Feb	12-May	11-Mar	9-Jun	11-Apr	10-Jul	11-May	9-Aug	11-Jun	9-Sep	11-Jul	9-Oct	11-Aug	9-Nov	11-Sep	10-Dec	11-Oct	9-Jan	11-Nov	9-Feb	11-Dec	11-Mar
12-Jan	12-Apr	12-Feb	13-May	12-Mar	10-Jun	12-Apr	11-Jul	12-May	10-Aug	12-Jun	10-Sep	12-Jul	10-Oct	12-Aug	10-Nov	12-Sep	11-Dec	12-Oct	10-Jan	12-Nov	10-Feb	12-Dec	12-Mar
13-Jan	13-Apr	13-Feb	14-May	13-Mar	11-Jun	13-Apr	12-Jul	13-May	11-Aug	13-Jun	11-Sep	13-Jul	11-Oct	13-Aug	11-Nov	13-Sep	12-Dec	13-Oct	11-Jan	13-Nov	11-Feb	13-Dec	13-Mar
14-Jan	14-Apr	14-Feb	15-May	14-Mar	12-Jun	14-Apr	13-Jul	14-May	12-Aug	14-Jun	12-Sep	14-Jul	12-Oct	14-Aug	12-Nov	14-Sep	13-Dec	14-Oct	12-Jan	14-Nov	12-Feb	14-Dec	14-Mar
15-Jan	15-Apr	15-Feb	16-May	15-Mar	13-Jun	15-Apr	14-Jul	15-May	13-Aug	15-Jun	13-Sep	15-Jul	13-Oct	15-Aug	13-Nov	15-Sep	14-Dec	15-Oct	13-Jan	15-Nov	13-Feb	15-Dec	15-Mar
16-Jan	16-Apr	16-Feb	17-May	16-Mar	14-Jun	16-Apr	15-Jul	16-May	14-Aug	16-Jun	14-Sep	16-Jul	14-Oct	16-Aug	14-Nov	16-Sep	15-Dec	16-Oct	14-Jan	16-Nov	14-Feb	16-Dec	16-Mar
17-Jan	17-Apr	17-Feb	18-May	17-Mar	15-Jun	17-Apr	16-Jul	17-May	15-Aug	17-Jun	15-Sep	17-Jul	15-Oct	17-Aug	15-Nov	17-Sep	16-Dec	17-Oct	15-Jan	17-Nov	15-Feb	17-Dec	17-Mar
18-Jan	18-Apr	18-Feb	19-May	18-Mar	16-Jun	18-Apr	17-Jul	18-May	16-Aug	18-Jun	16-Sep	18-Jul	16-Oct	18-Aug	16-Nov	18-Sep	17-Dec	18-Oct	16-Jan	18-Nov	16-Feb	18-Dec	18-Mar
19-Jan	19-Apr	19-Feb	20-May	19-Mar	17-Jun	19-Apr	18-Jul	19-May	17-Aug	19-Jun	17-Sep	19-Jul	17-Oct	19-Aug	17-Nov	19-Sep	18-Dec	19-Oct	17-Jan	19-Nov	17-Feb	19-Dec	19-Mar
20-Jan	20-Apr	20-Feb	21-May	20-Mar	18-Jun	20-Apr	19-Jul	20-May	18-Aug	20-Jun	18-Sep	20-Jul	18-Oct	20-Aug	18-Nov	20-Sep	19-Dec	20-Oct	18-Jan	20-Nov	18-Feb	20-Dec	20-Mar
21-Jan	21-Apr	21-Feb	22-May	21-Mar	19-Jun	21-Apr	20-Jul	21-May	19-Aug	21-Jun	19-Sep	21-Jul	19-Oct	21-Aug	19-Nov	21-Sep	20-Dec	21-Oct	19-Jan	21-Nov	19-Feb	21-Dec	21-Mar
22-Jan	22-Apr	22-Feb	23-May	22-Mar	20-Jun	22-Apr	21-Jul	22-May	20-Aug	22-Jun	20-Sep	22-Jul	20-Oct	22-Aug	20-Nov	22-Sep	21-Dec	22-Oct	20-Jan	22-Nov	20-Feb	22-Dec	22-Mar
23-Jan	23-Apr	23-Feb	24-May	23-Mar	21-Jun	23-Apr	22-Jul	23-May	21-Aug	23-Jun	21-Sep	23-Jul	21-Oct	23-Aug	21-Nov	23-Sep	22-Dec	23-Oct	21-Jan	23-Nov	21-Feb	23-Dec	23-Mar
24-Jan	24-Apr	24-Feb	25-May	24-Mar	22-Jun	24-Apr	23-Jul	24-May	22-Aug	24-Jun	22-Sep	24-Jul	22-Oct	24-Aug	22-Nov	24-Sep	23-Dec	24-Oct	22-Jan	24-Nov	22-Feb	24-Dec	24-Mar
25-Jan	25-Apr	25-Feb	26-May	25-Mar	23-Jun	25-Apr	24-Jul	25-May	23-Aug	25-Jun	23-Sep	25-Jul	23-Oct	25-Aug	23-Nov	25-Sep	24-Dec	25-Oct	23-Jan	25-Nov	23-Feb	25-Dec	25-Mar
26-Jan	26-Apr	26-Feb	27-May	26-Mar	24-Jun	26-Apr	25-Jul	26-May	24-Aug	26-Jun	24-Sep	26-Jul	24-Oct	26-Aug	24-Nov	26-Sep	25-Dec	26-Oct	24-Jan	26-Nov	24-Feb	26-Dec	26-Mar
27-Jan	27-Apr	27-Feb	28-May	27-Mar	25-Jun	27-Apr	26-Jul	27-May	25-Aug	27-Jun	25-Sep	27-Jul	25-Oct	27-Aug	25-Nov	27-Sep	26-Dec	27-Oct	25-Jan	27-Nov	25-Feb	27-Dec	27-Mar
28-Jan	28-Apr	28-Feb	29-May	28-Mar	26-Jun	28-Apr	27-Jul	28-May	26-Aug	28-Jun	26-Sep	28-Jul	26-Oct	28-Aug	26-Nov	28-Sep	27-Dec	28-Oct	26-Jan	28-Nov	26-Feb	28-Dec	28-Mar
29-Jan	29-Apr			29-Mar	27-Jun	29-Apr	28-Jul	29-May	27-Aug	29-Jun	27-Sep	29-Jul	27-Oct	29-Aug	27-Nov	29-Sep	28-Dec	29-Oct	27-Jan	29-Nov	27-Feb	29-Dec	29-Mar
30-Jan	30-Apr			30-Mar	28-Jun	30-Apr	29-Jul	30-May	28-Aug	30-Jun	28-Sep	30-Jul	28-Oct	30-Aug	28-Nov	30-Sep	29-Dec	30-Oct	28-Jan	30-Nov	28-Feb	30-Dec	30-Mar
31-Jan	1-May			31-Mar	29-Jun			31-May	29-Aug			31-Jul	29-Oct	31-Aug	29-Nov			31-Oct	29-Jan			31-Dec	31-Mar
* Does not con:	sider Leap Ye	ar																					

Rev. 05/2005 DLS

Periodic Inspection by Motor Carrier - 34505.5. (a) CVC

Every motor carrier operating any vehicle described in subdivision (a), (b), (e), (f), or (g) of Section 34500, except those vehicles exempted under Section 34501.12,

shall, as a part of the systematic inspection, maintenance, and lubrication services required of all motor carriers, require the vehicle or vehicles for which it is responsible

pursuant to Section 34501.12 to be inspected at least every 90 days, or more often if necessary to ensure safe operation.

Vehicles which are out of service for periods greater than 90 calendar days are not required to be inspected at 90-day intervals if they are inspected before operation on the highway. This inspection shall include, but not be limited to all of the following:

- (1) Brake adjustment.
- (2) Brake system components and leaks.
- (3) Steering and suspension systems.
- (4) Tires and wheels.
- (5) Vehicle connecting devices.

 $\textbf{34500}\ \textbf{CVC}\$ - The department shall regulate the safe operation of the following vehicles:

- (a) Motortrucks of three or more axles that are more than 10,000 pounds gross vehicle weight rating.
- (b) Truck tractors.
- (e) Trailers and semitrailers, pole or pipe dollies, auxiliary dollies, and logging dollies used in combination with vehicles listed in subdivision (a), (b), (c), or (d). This subdivision does not include camp trailers, trailer coaches, and utility trailers.
- (f) Any combination of a motortruck and any vehicle or vehicles set forth in subdivision (e) that exceeds 40 feet in length when coupled together.
- (g) Any truck, or any combination of a truck and any other vehicle, transporting hazardous materials.

TRUCK AND/OR TRACTOR MAINTENANCE & SAFETY INSPECTION CHP 108 (Rev. 6-05) OPI 062

* Inspection of these items meets the minimum requirements of 34505.5 CVC

ARRIER	RNAME	UNIT #	MIL	EAGE	MILEAGE	MILE	AGE	MILEA	AGE	MILE	AGE	MILE	AGE	MILE	EAGE	MILE	AGE	MILE	EAGE	MILE	EAGE	MILE	EAGE	MILE	EAG
EAR	MAKE	LICENSE #		AN DEF	FEB OK DEF	МА ок	AR DEF	АР ок			AY DEF	JL ок	JN DEF		JL DEF		JG DEF		EP DEF		CT DEF		OV DEF	DE ok	EC DE
	Fire extinguisher and reflective warning devices																							[Γ
2.	. Horn, defroster, gauges, odometer, and speedo	meter																							
	. Mirrors and supports																								
4.	. Windshield wipers, window cracks																								
	. All lights, signals, reflectors, mudflaps																								
6.	. Electrical wiring-condition and protection																								
7.	. Batteries-water level, terminals, and cables																								
* 8.	. Warning devices-air, oil, temperature, anti skid,	and/or vacuum																							T
9.	. Radiator and water hoses- coolant level, conditi	on, and/or leaks																							1
• 10	0. Belts-compressor, fan, water pump, and/or alter	rnator																							
* 1 [.]	1. Air hoses and tubing leaks, condition, and/or pro	otection																							T
12	2. Fuel system-tank, hoses, tubing, and/or pump, I	leaks																							T
1:	3. Exhaust system, manifolds, piping, muffler; leak	s and/or condition																						-	T
14	4. Engine-mounting, excessive grease and/or oil																								t
1:	5. Clutch adjustment-free play																								t
16	6. Air filter, throttle linkage																								t
	7. Starting and charging system			1																					t
	8. Tractor-protection valve			1																				-	t
	9. Hydraulic brake system-adjustment, component	ts. and/or condition		1																					t
	0. Hydraulic master cylinder level, leaks, and/or co			1																				-	+
	1. Hoses and tubing-condition and protection			1																					t
	2. Air brake system-adjustment, components, and	/or condition		-																					+
	3. 1 minute air or vacuum loss test	·																							+
	4. Air compressor governor cut-in and cut-out pres	sures (85-130)																							+
	5. Primary air tank-drain and test check valve	()		-																					+
	6. Other air tank-drain and check for contamination	n: securement																							+
	7. Tires-tread depth, inflation, and condition	,																							+
	8. Wheels, lug nuts, and studs-cracks, looseness,	and/or condition		-															<u> </u>						+
	9. Parking brake-able to hold the vehicle																								+
	0. Emergency stopping system-labeled and operation	tive		-																					+
	1. Brakes release after complete loss of service ai																								+
	2. Steering system-mounting, free lash, and comp																								+
	3. Steering arms, drag links, and/or tie rod ends																								+
	4. Connecting devices- fifth wheel, pintle hitch, and	d/or safety devices																							t
	5. Suspension system-springs, shackles, u-bolts, a																		-						t
	6. Frame and cross members-cracks and/or condi																		<u> </u>	-					+
	7. Drive shaft, universal joints, and/or guards																		-	<u> </u>		<u> </u>			+
	8. Transmission and differential-mounting, leaks, a	and/or condition																		<u> </u>	\vdash	<u> </u>	\vdash		+
	9. Wheel seals-leaks and/or condition																			<u> </u>	\vdash	<u> </u>	+		+
	0. Under carriage-clean and secure																			<u> </u>	<u> </u>	<u> </u>	\vdash		+

.....

JANUARY INSPECTION	DATE	FEBRUARY INSPECTION	DATE	MARCH INSPECTION	DATE	APRIL INSPECTION	DATE
MAY INSPECTION	DATE	JUNE INSPECTION	DATE	JULY INSPECTION	DATE	AUGUST INSPECTION	DATE
SEPTEMBER INSPECTION	DATE	OCTOBER INSPECTION	DATE	NOVEMBER INSPECTION	DATE	DECEMBER INSPECTION	DATE

TRAILER MAINTENANCE & SAFETY INSPECTION

CHP 108 (Rev. 6-05) OPI 062

* Inspection of these items meets the minimum requirements of 34505.5 CVC

CARRIEI	R NAME	UNIT #	MIL	EAGE	MILE	AGE	MILEA	AGE	MILE	EAGE	MILE	EAGE	MILE	EAGE	MILE	EAGE	MILE	EAGE	MILE	EAGE	MILE	EAGE	MILE	EAGE	MIL	EAGE
YEAR	MAKE	LICENSE #		AN DEF	FE OK	B DEF	MA ok i		Al OK	PR DEF	M ok	AY DEF	Jl OK	JN DEF	ЈІ ОК	JL DEF	Al ok	JG DEF		EP DEF	О(ок	CT DEF	NC OK	OV DEF	D ок	EC DEF
1	I. All lights, signals, reflectors																									
2	2. Mudflaps																									
* 3	3. Air leaks-brake system							-																		
	Air leaks-dump system																									
5	5. Frame, subframe, and body-cracks						1																			
* 6	6. Brake adjustment																									
* 7	7. Brake system, drums, and components-cond	dition					1																			
* 8	3. Suspension system-springs, shackles, u-bol	ts, and/or torque roo	s																			+ +				1
* 9	9. Connecting device-kingpin, drawbar, eye an	d/or safety devices		1																		++				1
* 1	I0. Fifth wheel on pull trailer	,																								1
	11. Air hoses and tubing-leaks, condition, and/o	r protection																				- I				1
	12. Tires-tread depth, inflation, and condition							-																		-
	13. Wheels, lug nuts, and studs-cracks, loosene	ess. and/or condition																				· · · ·				-
	4. Hoses and tubing-condition, protection	, -					-+																			+
	15. Hydraulic Master cylinder-level, leaks, and/o	or condition		-																						+
	I6. Parking brake-able to hold the vehicle						-+																			
* 1	17. Emergency breakaway brake system																									
	18. Air relay valves and tank-mounting						-+																			+
* 1	19. Brakes release after complete loss of service	e air					-+													-	-				-	-
	20. Wheel seals-leaks and/or condition			+			+													<u> </u>	<u> </u>	┼──┤			<u> </u>	+
	21. Under carriage-clean and secure			-			+														<u> </u>	┼──┤			<u> </u>	+
	22. Rear impact guard			+			+													<u> </u>	<u> </u>	+			<u> </u>	+
							+													<u> </u>	<u> </u>	+			<u> </u>	
							+													<u> </u>	<u> </u>	+			<u> </u>	
							+													<u> </u>	<u> </u>	+			<u> </u>	+
				-			r															<u>├</u> ──┤	<u> </u>			+
				+			·													<u> </u>	├	──┘	'		<u> </u>	+
																				<u> </u>	<u> </u>		<u> </u>		<u> </u>	+
																				<u> </u>	<u> </u>		<u> </u>		<u> </u>	+
				-			ı——+													<u> </u>	<u> </u>		<u> </u>		<u> </u>	
							┌───┼													<u> </u>	├──	──′	'		<u> </u>	+
							┌───┼													<u> </u>	├──	──′	<u> </u>		<u> </u>	
							ı — – – –													<u> </u>	──	──┘	<u> </u>	──┤	─	
							ı — – –													<u> </u>	<u> </u>	<u> </u>	<u> </u>		<u> </u>	
							⊢−−∔												<u> </u>		—	<u> </u>	<u> </u>	\mid	—	+
				+			⊢ – –					-								<u> </u>	──	<u> </u>	<u> </u>	\vdash	—	+
							⊢−−∔					-									──	<u> </u>	└── ′	$\mid \mid \mid$	—	+
							⊢												<u> </u>	└──		<u> </u>	<u> </u>	$\mid \mid \mid \mid$		_
				-			\vdash													<u> </u>	<u> </u>	ļ!	└── ′	\square	<u> </u>	+
							⊢													Ļ	Ļ	<u> </u>	<u> </u>			<u> </u>

SIGNATURES OF INSPECTORS JANUARY INSPECTION DATE FEBRUARY INSPECTION DATE MARCH INSPECTION DATE APRIL INSPECTION DATE DATE MAY INSPECTION JUNE INSPECTION DATE JULY INSPECTION DATE AUGUST INSPECTION DATE SEPTEMBER INSPECTION DATE OCTOBER INSPECTION DATE NOVEMBER INSPECTION DATE DECEMBER INSPECTION DATE



LUBRICATION AND INSPECTION REPORT CHP 108 (Rev. 6-05) OPI 062

Service Interval: _____

Tire size: _____

<u>JAY JOHNSON & ASSOCIATES, LLC</u> commercial vehicle safety

CARRIER NAME																			UNIT	Γ#					,	YEAR					
MAKE									N	IODEL									LICE	NSE #	ŧ										
MILEAGE OR HOURS	DATE	BY														MILEAGE OR HOURS	DATE	BY													
									ø		Ł		ш	ш	ш										S		Ł		ш	ш	ш
			z	щ		NGE	<u>N</u>	₹∣	S	s	ž	URE	Ň	NC	NC				N	ш	<u>م</u>	NGE	NO NO	IAL	ING	S	NE	URE	NC	S	NC
			LUBRICATION	OIL CHANGE	OIL ADDED	FILTER CHANGE	TRANSMISSION	DIFFERENTIAL	WHEEL BEARINGS	BATTERIES	Sn	TIRE PRESSURE	A LEVEL SERVICE	B LEVEL SERVICE	C LEVEL SERVICE				LUBRICATION	OIL CHANGE	OIL ADDED	FILTER CHANGE	TRANSMISSION	DIFFERENTIAL	WHEEL BEARINGS	BATTERIES	BRAKE ADJUSTMENT	TIRE PRESSURE	A LEVEL SERVICE	B LEVEL SERVICE	C LEVEL SERVICE
			RIC	5	LA	8	NSN			Ē	Å	PRI	Ē	Ē	Ē				NRIC	풍	LAI	R.	NSN	ERI	LB	Ē	ÅĎ	PRI	щ	Ē	Ē
			Ë	B	∣ō	5	RA		"	8	Å	R	Ē	Ē	Ē				2	6	ె	5	R	DIFF	Ë	8	KE	IRE	Ē	<u>ا</u> ۳	Ē
						"	-		≥		BRAKE ADJUSTMENT		۲	-	ပ							–	-		×		BR/		۹	•	с
								-	-																						
			_					-																							
			_					-																							
								-																							
								-	-																						
								-																							
								-																							
								+																							
								\top																							
								+																							
								-																							
								\top																							
								+	-																						
								+																							
								+																							
				-			+	+	+		-+																				
								+																							
								+																							
				-	-		+	+	\rightarrow		-+								-												
				-	-			+	\rightarrow										-	-			-								
			_	+	-		+	+	\rightarrow		-+								-												
			_	+	-		+	+	\rightarrow		-+								-												

REPAIR REPORT

CHP 108 (Rev. 6-05) OPI 062

· · · · ·					
CARRIER NAME			UNIT #	YEAR	
MAKE		MODEL	LICENSE #	1	
MILEAGE OR HOURS	DATE	REPAIR			

ANNUAL VEHICLE INSPECTION REPORT

								HICLE HISTORY RECORD
							REPORT NUMBER	FLEET UNIT NUMBER
						_	. ==	
						D	ATE	
MOTOR CARRIER	OPERATOR				INSPECTOR'S NAME (PRINT OR	TYPE)		
ADDRESS					THIS INSPECTOR MEETS THE C	UALIFI	CATION RE	QUIREMENTS IN SECTION 396.19.
					□ YES			
CITY, STATE, ZIP	CODE				VEHICLE IDENTIFICATION (1/2) A	ND CO	MPLETE	LIC. PLATE NO. UN OTHER
					INSPECTION AGENCY/LOCATIO	N (OPT	IONAL)	
	□ (OTHER)							
				COMPON	IENTS INSPECTED			
OK REPAIR REPAIRED DATE	ITEM	OK₿	REPAIR DATE		ITEM	OK R	EDS REPAIRED PAIR DATE	ITEM
	1. BRAKE SYSTEM			4. FUEL	SYSTEM			9. FRAME
	a. Service Brakes			a. Vis	ible leak			a. Frame Members
	b. Parking Brake System			b. Fu	el tank filler cap missing			b. Tire and Wheel Clearance
	c. Brake Drums or Rotors				el tank securely			c. Adjustable Axle
	d. Brake Hose				ached			Assemblies (Sliding
	e. Brake Tubing					1		Subframes)
	f. Low Pressure Warning				nting devices and			10. TIRES
	Device							
					ors required by Section			a. Tires on any steering axle
	g. Tractor Protection Valve				nall be operable.			of a power unit.
	h. Air Compressor				LOADING			b. All other tires.
	i. Electric Brakes				rt(s) of vehicle or			11. WHEELS AND RIMS
	j. Hydraulic Brakes				ndition of loading such			a. Lock or Side Ring
	k. Vacuum Systems			tha	t the spare tire or any			b. Wheels and Rims
				pai	t of the load or dunnage			c. Fasteners
	2. COUPLING DEVICES			car	n fall onto the roadway.			d. Welds
	a. Fifth Wheels			b. Pro	tection against shifting			12. WINDSHIELD GLAZING
	b. Pintle Hooks			car				Requirements and exceptions
	c. Drawbar/Towbar Eye				RING MECHANISM			as stated pertaining to any
	d. Drawbar/Towbar Tongue				ering Wheel Free Play			crack, discoloration or vision
	e. Safety Devices				ering Column			reducing matter (reference
	f. Saddle-Mounts				ont Axle Beam and All			393.60 for exceptions)
	1: Saddle-Modifis				ering Components			13. WINDSHIELD WIPERS
	3. EXHAUST SYSTEM							
					ner Than Steering			Any power unit that has an
	a. Any exhaust system				lumn			inoperative wiper, or missing
	determined to be leaking at				ering Gear Box			or damaged parts that render
	a point forward of or directly	\vdash			man Arm	\vdash		it ineffective.
	below the driver/sleeper				wer Steering			14. MOTORCOACH SEATS
	compartment.	$ \square$			I and Socket Joints			Seats securely fastened to
	b. A bus exhaust system			h. Tie	Rods and Drag Links			the vehicle structure
	leaking or discharging to			i. Nu	ts			15. REAR IMPACT GUARD
	the atmosphere in violation			j. Ste	ering System	\vdash		In place, securely attached,
	of standards (1), (2) or (3).			8. SUSP	ENSION			proper size, proper
	c. No part of the exhaust			a. An	y U-bolt(s), spring			placement (see 393.86)
	system of any motor vehicle			hai	nger(s), or other axle	\vdash		List any other condition which may
	shall be so located as				sitioning part(s) cracked,			
	would be likely to result in				ken, loose or missing			prevent safe operation of this
	burning, charring, or				ulting in shifting of an			vehicle.
	damaging the electrical				e from its normal position.			
	wiring, the fuel supply, or				ring Assembly			
	any combustible part of the				rque, Radius or Tracking			
	motor vehicle.			1				
					mponents.			
INSTRUCTIC	NS: MARK COLUMN ENTRIES TO VERIFY	INSP	ECTION: _	X OK, _	X NEEDS REPAIR, NA	IF I	TEMS DO	NOT APPLY, REPAIRED DATE

CERTIFICATION: THIS VEHICLE HAS PASSED ALL THE INSPECTION ITEMS FOR THE ANNUAL VEHICLE INSPECTION REPORT IN ACCORDANCE WITH 49 CFR 396.

BRAKE INSPECTOR QUALIFICATIONS

Certification — 49 CFR — Part 396.25

"Brake Inspector" means any employee of a motor carrier who is responsible for ensuring all brake inspections, maintenance, service, or repairs to any commercial motor vehicle, subject to the motor carrier's control, meet the applicable Federal standards.

No motor carrier shall require or permit any employee who does not meet minimum brake inspector qualifications to be responsible for the inspection, maintenance, service or repairs of any brakes on its commercial motor vehicles.

Minimum Qualifications

- Understands and can perform brake service and inspection
- □ Is knowledgeable of and has mastered the methods, procedures, tools and equipment necessary to perform brake service and inspection
- □ Is capable of performing brake service or inspection by reason of experience, training, or both, and qualifies in one of the following categories (check all that apply):
 - I. I Has successfully completed an apprenticeship program sponsored or approved by a State, Canadian Province, a Federal agency or labor union, or has a certificate from a State or Canadian Province which qualifies the person to perform brake service or inspections. Specify:

or

- II. Has brake-related training or experience or a combination thereof totaling at least one year as follows (check all that apply):
 - A. Participation in a brake maintenance or inspection training program sponsored by a brake or vehicle manufacturer or similar commercial training program. Where and Date:
 - B. \Box _____ (years) experience performing brake maintenance or inspection in a motor carrier maintenance program. Name and Date:
 - C. \Box (years) experience performing brake maintenance or inspection at a commercial garage, fleet leasing company, or similar facility. Name of Facility and Dates:

I certify the above information is true and accurate to the best of my knowledge.

INSPECTOR QUALIFICATIONS

Certification — 49 CFR — Part 396.19

Motor carriers are responsible for ensuring that individual(s) performing an annual inspection under 396.19 are qualified as follows:

- Understands the inspection criteria set forth in Part 393 and Appendix G and can identify defective components
- □ Is knowledgeable of and has mastered the methods, procedures, tools and equipment used when performing an inspection
- □ Is capable of performing an inspection by reason of experience, training, or both, and qualifies in one of the following categories (check all that apply):
 - I. Successfully completed a State or Federal training program or has certificate from a State or Canadian Province which qualifies the person to perform commercial vehicle safety inspections. Specify:

or

- II. L Have a combination of training or experience totaling at least one year as follows (check all that apply):
 - A. Participation in a truck manufacturer-sponsored training program or similar commercial training program designed to train students in truck operation and maintenance. Where and Date:
 - B. \Box (years) experience as a mechanic or inspector in a motor carrier maintenance program. Name and Date:
 - C. \Box (years) experience as a mechanic or inspector in truck maintenance at a commercial garage, fleet leasing company, or similar facility. Name of Facility and Dates:
 - D. \Box (years) experience as a commercial vehicle inspector for a State, Provincial, or Federal Government. Where and Dates:

I certify the above information is true and accurate to the best of my knowledge.

Employee _

Signature of Mechanic/Inspector

Date

Motor Carrier/Company ____

Signature of Employer/Supervisor

Date

Evidence of Inspector Qualifications are on file at:



Overview Fact Sheet-Clean Truck Check

CONTACT Clean Truck Check (HD I/M) Email hdim@arb.ca.gov

<u>Clean Truck Check (Heavy-Duty Inspection and</u> <u>Maintenance Regulation): Overview of Program</u> <u>Requirements</u>

<u>March 13, 2024</u>

This Fact Sheet presents an overview of the requirements of Clean Truck Check. Separate fact sheets or guidance documents describe certain requirements in more detail, such as emissions compliance testing and reporting.

What is Clean Truck Check?

It is a new regulation to test heavy-duty vehicles' emissions control systems for proper operation. Clean Truck Check applies to nearly all diesel and alternative fuel heavy-duty vehicles with a gross vehicle weight rating (GVWR) over 14,000 pounds that operate on California public roads. This includes both in-state and out-of-state vehicles, as well as public vehicles (federal, state, and local government); motorcoaches; transit, shuttle and school buses; hybrid vehicles; commercial vehicles; personal vehicles; California registered motorhomes; single vehicle fleets; and vehicles registered outside of California (not including motorhomes).

Clean Truck Check Compliance Requirements

High-emitter vehicle screening	Oct - Jan 2024		
Flagged vehicles	Complete fleet and vehicle reporting	July 1 - Dec 31 <u>2</u>	<u>024</u> *
must submit passing vehicle compliance test within 30 days of	requirements	Resolve all vehicle enforcement holds**	Jan 1 - June 30 <u>2025</u> *
notification.	Pay 2023 vehicle compliance fee	Pay 2024 vehicle compliance fee	Successful completion of a periodic vehicle compliance test The deadline for vehicles subject to annual compliance requirements is Jan 1-Dec 31, 2025.
s not meeting thes to DMV registratio			Passing emissions tests can be submitted up to 90 days before a vehicle's compliance deadline, as early as Oct 1, 2024

* Check the database for a vehicle's specific deadline dates within the six-month window

** Enforcement holds may result from, but may not be limited to, unresolved high emitter notifications and a previous noncompliance status

Which vehicles are exempt from the regulation?

The heavy-duty vehicle types shown below are exempt from the regulation:

- Zero-emission vehicles
- Military tactical vehicles
- Emergency vehicles
- Historical vehicles
- New vehicles with engines certified to the most stringent optional, NOx standard (less than or equal to 0.01 g/bhp-hr) *Only during the first four years of Clean Truck Check implementation (2023-2027)*
- Motorhomes registered outside of California
- Vehicles operating under an experimental permit

Has Enforcement Started for Clean Truck Check?

Clean Truck Check began in January 2023 with the use of roadside emissions monitoring devices (REMD) to screen for vehicles that may have high emissions. Vehicles flagged as potential high emitters will receive a Notice to Submit to Testing (NST) from California Air Resources Board (CARB) enforcement to ensure the vehicle is operating with properly functioning emissions control systems. Upon receipt of an NST, you will have 30 calendar days to submit to CARB a passing emissions

compliance test performed by a credentialed tester. Be sure to allow enough time in case repairs are required. Additionally, vehicles deemed non-compliant or subject to enforcement action may be subject to additional compliance testing and penalties.

Am I required to report and pay an annual compliance fee?

For vehicles operating in California in 2023, the deadline to pay the 2023 annual \$30 compliance fee was January 31, 2024. If you have not reported your vehicle in (CTC-VIS) and paid your 2023 fee, your vehicle is in non-compliance. To avoid a DMV registration block and potential enforcement action, you should complete these actions immediately.

In 2024, the annual compliance fee deadline is due based on the vehicle's compliance deadline that falls between July 1 and December 31, 2024. Check your CTC-VIS account for your vehicle's specific deadline.

Payments made through any other CARB portals or paper check mailing will NOT be accepted. CTC-VIS will ONLY allow use of the following payment methods:

- Credit/Debit Card
- Credit cards accepted: Visa, MasterCard, American Express, and Discover
- Debit cards accepted: Visa and MasterCard
- TeleCheck (eCheck)
- You will need your bank routing number and account number.
- Please allow 5-7 business days for processing the TeleCheck payment

Payments made in any other system or by any other method do not comply with the Clean Truck Check requirement and affected vehicles may be subject to registration holds. For guidance on how to report owner and vehicle information and pay your annual compliance fee, please go to: Reporting Database.

When do the emissions compliance testing requirements begin?

Emissions compliance testing requirements are effective October 1, 2024. All compliance deadlines on or after January 1, 2025 will require the submission of a passing emissions compliance test as part of the vehicle's compliance demonstration. *Vehicles may submit tests no more than 90 days prior to the vehicle's compliance deadlines.*

For example, a vehicle with a compliance deadline of February 1, 2025 may submit a passing emissions test as early as November 3, 2024.

Additional information on annual and semi-annual testing requirements, including how to determine each vehicle's deadline(s), is available here:

- Clean Truck Check Requirements for Vehicles Subject to Semi-Annual Compliance (Issued March 13, 2024)
- Agricultural Vehicles & California Motorhomes Annual Compliance Requirements (Issued March 13, 2024)

What are my 2024 Compliance Requirements?

In 2024, all vehicles will have a compliance deadline between July 1 and December 31, 2024. As part of this compliance demonstration, owners must pay the vehicle's 2024 annual compliance fee and ensure the vehicle has no outstanding enforcement violations.

Who can perform Clean Truck Check emissions compliance testing on my vehicle?

Compliance testing must be performed by a CARB credentialed tester who has completed CARB's free online Tester Training Course and scored at least 80 percent on the accompanying exam. Upon successful completion you will obtain a Certificate of Completion, which must be renewed every two years.

Where can I find credentialed testers in my area?

Credentialed Testers is a searchable database and provides a list of available testing locations and testers as well as if they perform OBD testing.

What if I add or remove a vehicle from my fleet after I've established my owner account?

Vehicle owners are responsible for maintaining accurate account information and must update vehicle information within 30 calendar days of a transaction to purchase or sell a vehicle.

How do I report my vehicle before I have my DMV registration?

Vehicles may be reported to www.cleantruckcheck.arb.ca.gov with a temporary license plate, or you may enter "license plate not yet received as of DD/MM/YYYY" in the license plate field. Once the license plate is received the owner will need to edit the vehicle information in CTC-VIS to reflect the current license plate. The certificate that was already generated will not update until the next compliance fee payment is made for that vehicle.

What if I operate for short periods of time in California?

Clean Truck Check offers a five consecutive day pass for each vehicle, once per calendar year. The 5day pass must be submitted 7 business days before entering California. Email the information listed below to hdim@arb.ca.gov

- Request date
- Registered owner's name
- Street address, city, state, zip code of owner
- Telephone number of owner
- Email address of owner (if available)
- Vehicle Identification Number (VIN)
- License plate number and state of registration
- Date(s) the vehicle will begin travel in California
- Origin and destination travel information

How do I get more detailed information?

Please visit CARB's Clean Truck Check webpage at: Clean Truck Check (HD I/M)

How can I receive updates on Clean Truck Check?

To receive automatic email updates on Clean Truck Check implementation and other activities, sign up on the GovDelivery list at California Air Resources Board(govdelivery.com).

If I have additional questions, how do I contact CARB?

Please email staff at hdim@arb.ca.gov. CARB also has a hotline (1-866-634-3735) that provides compliance assistance for multiple CARB regulations.

(800) 242-4450 | helpline@arb.ca.gov 1001 | Street, Sacramento, CA 95814 P.O. Box 2815, Sacramento, CA 95812

Clean Truck Check (HD I/M) Program Regulation Fact Sheet



The Heavy Duty Inspection and Maintenance Program (HD I/M) became effective on January 1, 2023 and is the first heavy-duty vehicle smog check program. The California Air Resources Board (CARB) announced the program moving forward will be referred to as the Clean Truck Check.

The program applies to all diesel and alternative fuel vehicles with a gross vehicle weight rating (GVWR) of over 14,000 pounds, including all out-of-state and out-of-country vehicles.

What is Required in 2024?

NEW: Fleets no longer have to test their vehicle emission system between July - December 2024, but owners are required to pay the 2024 compliance fee during the periodic testing window.

Compliance Testing Frequency

NEW: Periodic Testing is expected to start on a twice a year basis **January 1, 2025** with the earliest testing window opening October 3, 2024.

Agricultural vehicles are subject to only annual compliance requirements.

Determining Compliance Year Start

Vehicles registered in California must submit a passing compliance test by the day and month of a vehicle's DMV registration expiration date.

Fleets can submit a passing compliance date within 90 days prior to a vehicle's compliance deadline.

Jump to the Compliance Testing Deadlines Section for more detailed information.

Online Database Reporting & Fee

Each vehicle must be reported to the <u>Clean Truck Check Online</u> <u>Database</u> and pay an annual \$30 fee by January 31, 2023.

A compliant vehicle will receive a valid Clean Truck Check compliance certificate. CARB developed a <u>training video</u> to assist users navigating the database.

What is a NST?

CARB has deployed roadside emissions monitoring devices that will identify high emitter vehicles operating in California.

If you receive a Notice to Submit to Testing (NST) from CARB, the vehicle owner must submit a passing compliant test to CARB within 30 days.

On Board Diagnostic (OBD) Compliant Vehicles

An OBD-equipped vehicles means one of the following:

Model year 2013 and newer diesel engines
Model year 2013 and newer diesel hybrid engines
Model year 2018 and newer alternative fuel engines
Model year 2018 and newer alternative fuel hybrid engines

OBD-equipped vehicles must complete OBD compliance test.

An OBD test is performed using an approved testing device such as a scan tool, which will collect information to validate the vehicle's emission system is operating properly.

A compliance test must be performed and submitted to CARB by a credential tester.

Non-OBD Equipped Vehicles

A non-OBD equipped vehicle (vehicle with a 2012 or older model year engine) must conduct an SAE J1776 smoke opacity test and a vehicle emissions control equipment inspection with an approved credentialed tester.

The vehicle emissions control equipment inspection form can be found on the <u>Clean Truck Check</u> <u>website</u>.

Non-OBD alternative fuel vehicles such as propane, CNG, and LNG are exempt from the testing requirements.

On-Board Diagnostic (OBD) Devices

While older vehicles require a smoke opacity test and a visual inspection, vehicles with model year 2013 and newer diesel engines and model year 2018 and newer alternative fuel engines are required to submit On-Board Diagnostic (OBD) data instead.

Owners of vehicles that have been identified as possible high emitters will receive a Notice to Submit to Testing (NST) that direct owners of affected vehicles to submit them to additional testing.

OBD equipped vehicles must conduct tests using CARB approved OBD Test Devices.

How Do I Remain Compliant with CARB?

To perform tests yourself:

Obtain a Tester ID # by successfully completing the free online training session from CARB.

Next, purchase the testing system from an approved CARB vendor:

- <u>Silver Snap-Tool software</u> (runs on your Windows laptop with Win 10/11 with Intel or AMD processor).
 - This device supports both 9-pin SAE J1939 and 16-pin SAE J1979 diagnostic ports.
- RECERTIFIED: <u>HEM DAWN OBD Inspector</u> (runs on iPhone and iPad)
 - This device supports 16-pin SAE J1979 diagnostic ports.

What Will This Cost Me?

A complete package is available for less than \$1,600 can be used by multiple testers and on multiple trucks.

The DAWN OBD Inspector pricing is as follows:

- The Mini Streamer hardware purchase is \$395 (one-time fee)
- The software license is \$995 (one-time fee including first year)
- The yearly renewal is \$500

The Silver Snap-Tool pricing is as follows:

- \$500 for the Silver Snap-Tool license (one-time fee) and
- \$504 for use of the cloud service (annual fee) which includes:
- Unlimited data submissions to CARB
- Access to all Silver Snap-Tool updates
- Technical support

In the next year, CARB expects to approve a telematics based device that will submit data to CARB while operating in the background and will not require a motor carrier to pull a vehicle out of service to submit a test.

CARB cites the most common protocols for Heavy-Duty/Medium-Duty vehicles are SAE J1939 and J1979.

In general, vehicles with Ford/Hino/Isuzu/Volvo engines are using the SAE J1979 (or OBD II) connector, and vehicles with Cummins/ Detroit Diesel/Navistar/Paccar engines are using the SAE J1939 connector.

Visit CARB's Clean Truck Check Certified OBD Test Device's Webpage for more information.

NEW: CARB has delayed the periodic testing start date until January 1, 2025. Fleets no longer have to test a vehicle's emission system between July - December 2024, but owners are required to pay the 2024 compliance fee during the vehicle's periodic testing window for 2024.

California-Based Registered Vehicles

Vehicles with California-based registration will pay their compliance fee based on the vehicle's registration expiration month and day, but have 90 days prior to pay the fee.

Example: If a vehicle's registration expiration date is June 31 your window to pay the compliance fee is between October 3— December 31.

DMV Registration	January	February	March	April	May	June
Expiration Month	July	August	September	October	November	December
Compliance Deadline Month	July	August	September	October	November	December

CAUTION: The deadline to submit your compliance fee in 2024 may be different than compliance fee deadlines in 2025 and beyond.

Out-of-State Based Registered Vehicles

Motor carriers operating vehicles with apportioned plates or registration based outside of California will submit payment based on the last number of the vehicle's VIN. The deadline to submit the compliance fee is the last day of the compliance deadline month,.

Motor carriers may submit the compliance fee up to 90 days before the vehicle's compliance deadline.

Example: If a vehicle's registration expiration date is November, the window to pay the compliance fee is between September 2—November 30.

0	1	2	3	4	5	6	7	8	9
October	November	December	July	August	September	October	November	December	July

CAUTION: The deadline to submit your compliance fee in 2024 may be different than compliance testing deadlines in 2025 and beyond.

CA Based Registered Vehicles Compliance Testing Deadlines

Compliance testing is expected to start January 1, 2025 and will require a vehicle to submit and pass a compliance twice a year. Fleets will be required submit a passing compliance test by the vehicle's registration expiration date, which is the compliance deadline.

Fleets can submit a compliance 90 days in advance to the compliance deadline. Below is an example of the twice a year compliance months fleets will need to submit compliance tests.

DMV Registration Expiration Month		February	March	April	Мау	June	
Compliance Deadline	January	February	March	April	May	June	
Month(s)	July	August	September	October	November	December	

DMV Registration Expiration Month	July	August	September	October	November	December	
Compliance Deadline	January	February	March	April	May	June	
Month(s)	July	August	September	October	November	December	

Out-of-State Motor Carrier Compliance Deadlines

Motor carriers operating vehicles with apportioned plates or registration based outside of California will conduct compliance tests based on the last number of the vehicle's VIN.

Compliance testing is expected to begin January 1, 2025 and will require a vehicle to be tested twice in 2025. Fleets can submit a compliance 90 days in advance to your compliance deadline.

The deadline to submit a compliance tests is based on the last digit of your vehicles VIN.

In 2025 and beyond, a vehicle's compliance deadline will fall under the following month:

0	1	2	3	4	5	6	7	8	9
October	November	December	January	February	March	April	May	June	July

Here's a timeline of the semi-annual tests within the 90 day window that must be conducted in 2025:

0	1	2	3	4	5	6	7	8	9
First	Compliance	Deadline							
January 31 - April 30	March 2 - May 31	April 1 - June 30	November 2 - January 31	November 30 - February 28	December 31 - March 31	January 31 - April 30	March 2 - May 31	April 1 - June 30	November 2 - January 31
Second	Compliance	Deadline							
August 31 - October 31	September 1 - November 30	October 2 - December 31	May 2 - July 31	June 2 - August 31	July 2 - September 30	August 31 - October 31	September 1 - November 30	October 2 - December 31	May 2 - July 31

Submitting Non-OBD Test Results to CARB

The Credentialed Tester who performed the vehicle compliance test must email the following information to CARB:

- Send email to <u>HDVehicleenforcement@arb.ca.gov</u>
- Subject line must contain: "Non-OBD Vehicle Compliance Test; VIN, HD I/M Tester ID"
- Attach the completed and signed <u>Vehicle Emissions Control Equipment Inspection Form</u>
- Scan, upload, and attach the smoke test opacity strip or electronic test results

CARB will send a confirmation email within 72 hours to the credentialed tester verifying the result of the Non-OBD Vehicle compliance test.

Credentialed Tester Training

Clean Truck Check credentialed tester certification is valid for two years from the date of the successfully completing all requirements. Only credentialed testers can submit data to CARB. Tester training is available on the <u>Clean Truck Check website</u>.

Enforcement

The Department of Motor Vehicles (DMV) will block registration on California-based vehicles that have not demonstrated compliance. Non-compliant vehicle owner's will be subject to fines comparable to the Truck & Bus Rule.

CARB has deployed roadside emissions monitoring devices that will identify high emitter vehicles operating in California. If a motor carrier receives a Notice to Submit to Testing (NST) from CARB, the registered vehicle owner must submit a passing compliant test to CARB within 30 days.

Parts Unavailability Time Extension

A vehicle owner must submit the following information from at least one repair facility to a referee to be recommended for a compliance time extension due to an unavailability of parts:

- 1. The repair(s) that is needed to correct the vehicle's non-compliance issue.
- 2. The part(s) needed to repair the compliance issue.
- 3. What part(s) needed to repair the compliance issue are unavailable.
- 4. The reason(s) as to why the part(s) are unavailable.
- 5. An estimate as to when the parts are expected to become available.
- 6. Repair facility contacted in an effort to complete the needed vehicle repairs:
 - Business name.
 - Business address.
 - Business contact information.
- 8. Evidence of an effort to contact repair facilities after the noncompliance issue was first identified.

Five-Day Pass

A once-a-year temporary pass that allows operation of a vehicle in California for five consecutive calendars without the vehicle being compliant with the Clean Truck Check program. A vehicle owner must submit an application to the Executive Officer.

Freight Contractor and Facility Requirements

Any freight contractor shall only contract with compliant vehicles or fleets. Any freight facility must ensure that only compliant vehicles enter and operate on their property. Facilities must maintain records of all vehicles that enter the facility property that are not compliant with the smog check program.

Compliance Questions

If you have compliance questions about Clean Truck Check program, please reach out to CTA staff below:

Nick Chiappe Government Affairs Associate NChiappe@caltrux.org

Hayden Tallman Program Assistant HTallman@caltrux.org



These resources were assembled by Jay Johnson & Associates, LLC and represent the most current regulations at the time of assembly. The information contained in this resource guide is updated regularly by the governmental agencies. Please reference the "Helpful Resource Links" document within this packet for links and QR codes to the FMCSA, DMV, CHP, and PHMSA websites to stay up to date on any regulation changes and updates to their requirements.

AY JOHNSON & ASSOCIATES, LLC COMMERCIAL VEHICLE SAFETY

8010 Wayland Lane Suite 2A Gilroy, CA 95020 Phone: 669-888-5076 www.jjassociates.us



www.jjassociates.us