



My Experience with

**Commercial Vehicle
Hours of Service
Records**

**Mike Lamont
Precision Service & Pumps Inc.
Abbotsford, B.C.**

**Electronic Logging
Device Mandate**



Ministry of
Transportation
and Infrastructure

BULLETIN # 01-2021
Updated: December 7, 2022

National Safety Code **BULLETIN**

RE: Electronic Logging Devices (ELDs) in British Columbia

Effective January 1, 2023, Commercial Vehicle Safety and Enforcement (CVSE) officers will begin enforcing the federal Electronic Logging Device (ELD) mandate for federally regulated carriers, with a focus on education and notification of noncompliance.

Hours of Service violations will continue to be enforced under MVAR Division 37.

Overview

with

Vehicle
vice

gging
date



DRIVER'S DAILY LOG

(24 HOURS)

(Day) / (Month) / (Year)

Cycle 70 Hr./7 Day 120 Hr./14 Day

Original - File at home terminal
Duplicate - Driver retains in his/her possession for 15 days

Hours of Service - Paper Version

123456789012345678901234567890
Starting Odometer Ending Odometer Total Distance Driven Today

ZXY CARRIERS - 25 MAIN ST. - VANCOUVER

ZXY CARRIERS - 25 MAIN ST. - VANCOUVER

License Plate(s) or Unit Number(s) (show each unit)

Principal Place of Business Name and Address
BOB JONES

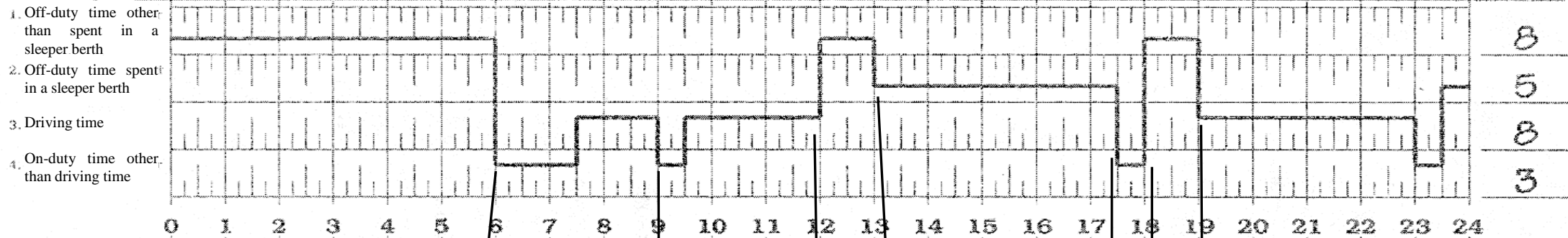
Driver's Name
Bob Jones

Driver's Full Signature

Name of Co-Driver

I certify these entries are true and correct:

Start Time (if other than midnight) 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 TOTAL HOURS



REMARKS

If deferred off duty: Day 1 Day 2

Pre-trip and loading at yard (6-9)
 Hope scales (10-11)
 Lunch 100 mile (12-13)
 Change driver (14-15)
 Load check Prince George (16-17)
 Dinner break (18-19)
 Change driver in PG (20-21)
 Coffee break (22-23)

SHIPPING DOCUMENTS:

B/L or Manifest No. or Shipper & Commodity

PREVIOUS 14 DAYS	DATE	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	TOTAL HOURS ON DUTY														
TOTAL HOURS OFF DUTY															

Personal Use: Start ODO End ODO

Enter name of place you reported and where released from work and when and where each change of duty occurred.

USE TIME STANDARD AT HOME TERMINAL

RECAP
 Complete at end of workday.
 On-duty hours today (Total lines 3 & 4)
70 Hour/7 Day Drivers

A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow, 70 hr. minus A.

C. Total hours on duty last 7 days, including today.

120 Hour/14 Day Drivers

A. Total hours on duty last 13 days, including today.

B. Total hours available tomorrow, 120 hr. minus A.

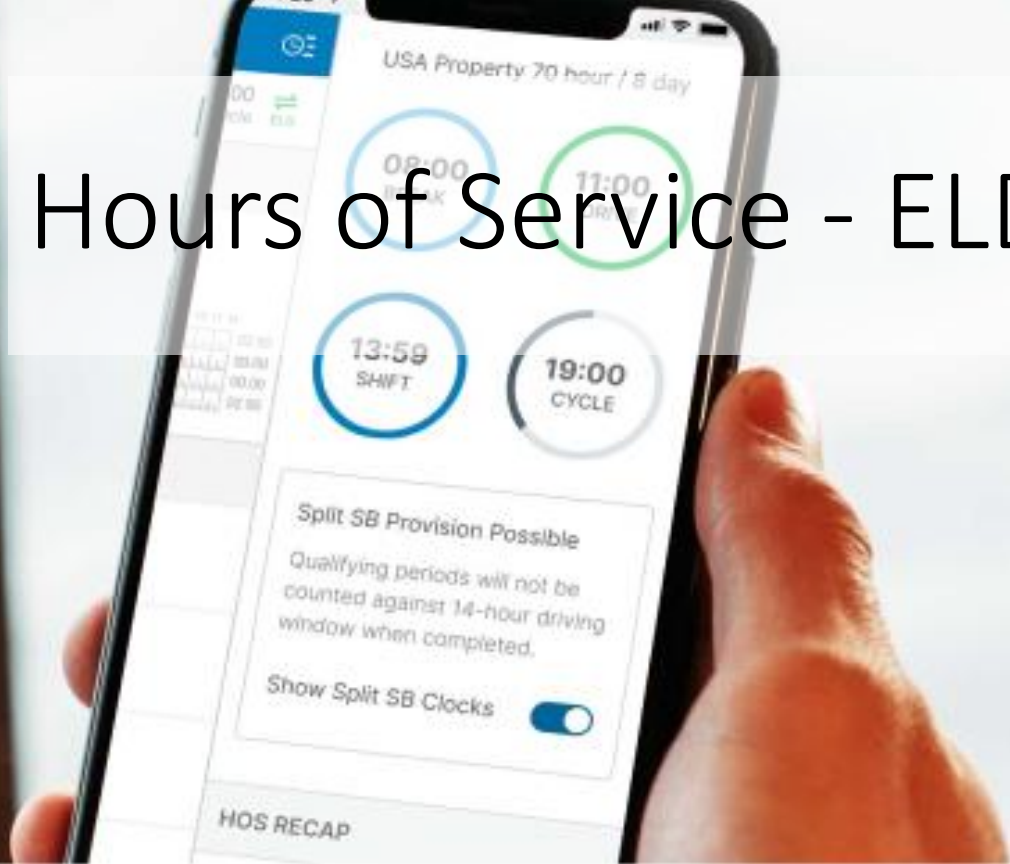
C. Total hours on duty last 14 days, including today.

If you took 3673 consecutive hours off duty, you have 70/120 hours available again.

BOUND EDGE

Hours of Service - ELDs

Electronic logging devices (ELDs) are equipment that automatically record driving time in commercial motor vehicles.



Hours of Service - ELDs

ELD left installed into the OBD-II Port to pull vehicle information..

- Connects to phone or tablet (Bluetooth) to log driving details
- Most connect to cell service or use cell service of the driver's phone
- Drivers use their phone to log in & out as On/Off Duty
- Driver must log in to truck as vehicle operator

CVSE can inspect the info on phone for enforcement



What We Learned



There are over 80 different approved ELD models available

There are over 20 different companies offering ELDs and services

Each has uniquely different phone app for drivers

Each has different program for administration

Each has different pricing structures and options

Few have any experience with how our industry differs from carriers

What We Wanted



Easier to learn than using the paper version

Simple to see if the workers have drive time still available

Competitive pricing

No issues with being out of cell service for extended time

No issues with several different drivers in a day

No issues with a driver in several different trucks

No issues with trucks operating PTO equipment, not driving

Training and support

Summary / This Week vs. Previous Cycle

USA 70/8 80 160 320 640

Trip Hours	Trip Distance (mi)	Active Drivers	Active Vehicles	HOS Violations	F&M Errors
1.1k +4%	12.5k +2%	38 +12%	44 +4%	112 +8%	89 +5%

Logs



Trips



Inspections



Top HOS Violations

Violation	Count	% Change
14h Shift Limit	61	+1%
30m Break	29	+8%
13h Driving Limit	35	+3%
10h Off Duty	42	+2%
70h Cycle Limit	19	+5%

Top Form & Manner Errors

Error	Count	% Change
Signature	63	+11%
Shipping Doc	46	+7%
Trailer	31	+13%
Distance	17	+2%
Odometers	8	+3%

Action Center

- Review Unidentified Trips 40
Last event 4m ago
- Review HOS Violations 5
Last reviewed 1d ago
- Review F&M Errors 15
Last reviewed 2d ago
- Review Inspections with Defects 5
Last reviewed 1d ago

Notifications

- Gateway Updates 17
3 disconnects - 2 interrupted trips
- CSA Score Updates 17
0 declines - 2 improvements

Quick Links

- [Viewing your CSA Insights](#)
- [Assign Unidentified Trips](#)

Logs

TODAY JAN 6 THU JAN 5 WED JAN 4 TUE JAN 3

▲ 3 HOS, 2 Form & Manner



- 12:00 am** 6h 32m
Beebe, AR
10 hour break
- 6:32 am** 2h 54m
Beebe, AR
- 9:28 am** 8m
Shepherd, TX
Post trip inspection
- 9:36 am** 1h 56m
Hope, AR
Onsite
- 11:32 am** 1h 40m
Shepherd, TX
Break
- 1:12 pm** 9h 21m
Shepherd, TX
Long Drive

Exceeded 11-Hour Driving Limit

- Motive
- Groups
- Quick Actions
- Fleet View
- Safety
- Compliance
- Fuel
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Compliance

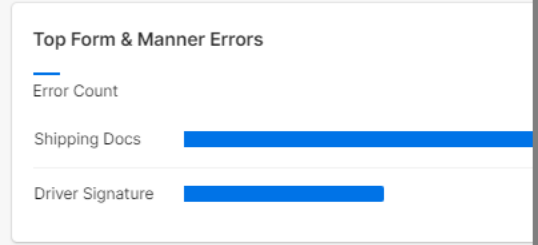
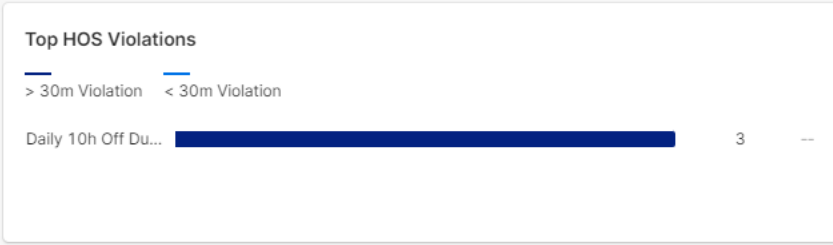
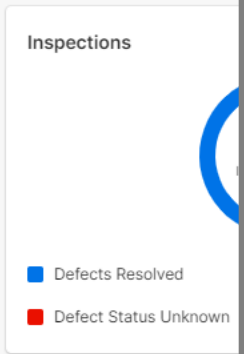
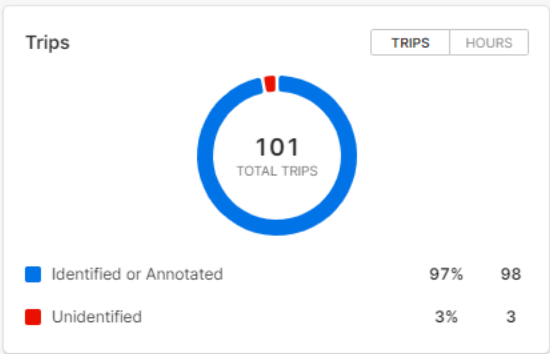
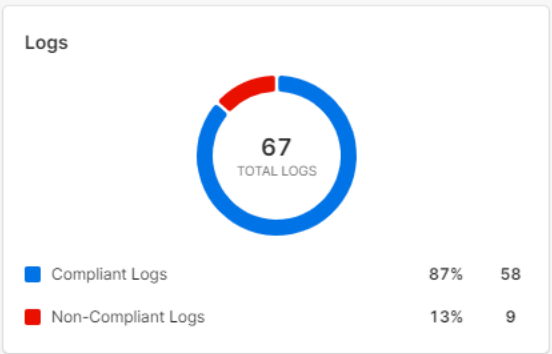
Overview Logs CSA Insights Disconnects

Compliance Reports

Send Output File

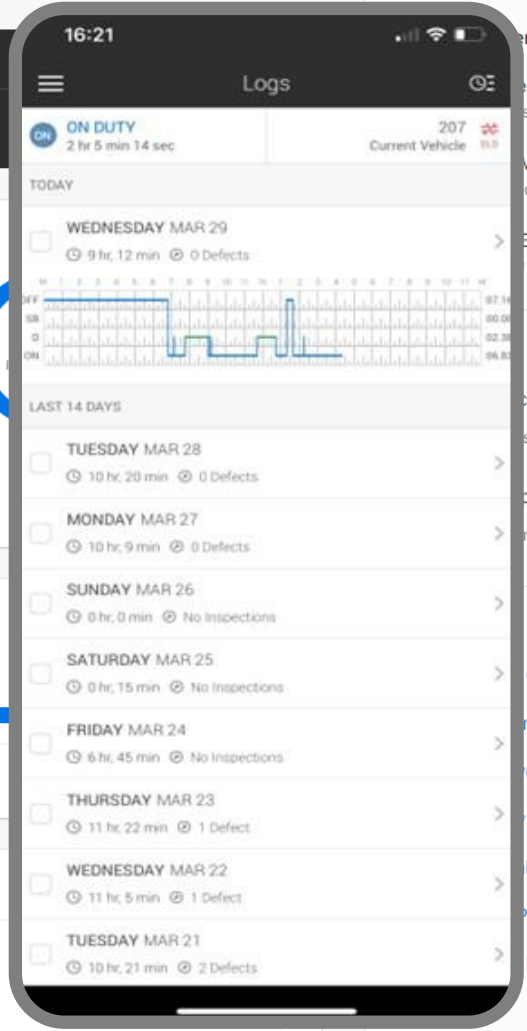
Summary Mar 23 - Mar 29 vs. Previous 7 Days

Trip Hours 41 ↓32%	Trip Distance (km) -4,074 ↑178%	Active Drivers 10 --	Active Vehicles 7 ↓29%	HOS Violations 3 ↓67%
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Highest Compliance Risk

Most Log Issues	ISSUE COUNT	Most Reassigned Trips	COUNT	Most Unidentified Trips
Kyle Marchand	2 --	Tim Martin	4 ↓25%	209
Phil Shewring	2 ↓200%	Troy Johnson	3 ↓67%	205



- Identified Trips 3
- Violations 3
- Errors 6
- Disconnects 5
- Updates 0
- CSA Insights
- Identified Trips
- Driver's Logs
- Annotate Yard Move
- (DataQ)
- Personal Conveyance
- Inspection Reports

Motive

Groups

Quick Actions

Fleet View

Safety

Compliance

Fuel

Cards

Maintenance

Messages

Documents

Load Board

Reports

Marketplace

Earn Cash

Compliance Alerts

ID: 141

Log Events

STATUS	START (PDT)
OFF OFF DUTY	12:00:00 AM
ON ON DUTY	06:57:14 AM
D DRIVING	08:02:04 AM
ON ON DUTY	08:25:40 AM
D DRIVING	08:39:29 AM
ON ON DUTY	11:36:13 AM
D DRIVING	11:43:12 AM
ON	

Dispatcher

Hang on, I'm seeing a fault code...

Check your coolant at the next service station

Jamie Smith

Got it, thanks for the heads up!

13:16 Home

On Duty 07:31:38
207 Left in shift

Your HOS recap

Thu, Mar 23	0.30	11.37
Fri, Mar 24	0.08	6.75
Sat, Mar 25	0.26	0.26
36-HOUR RESTART		
Sun, Mar 26	0.00	0.00
Mon, Mar 27	4.47	10.16
Tue, Mar 28	0.18	10.34
Total hours since restart	20.50	
Hours available today	49.50	
Hours worked today	6.47	
Hours available tomorrow	43.03	

Need help?

[Motive Customer Support](#)

[Connect Your Mobile Device to Your VG](#)

[Switching Cycles](#)

motive

Groups ▾

+ Quick Actions

Fleet View

- Safety
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Driver Hours

[Message Driver](#) [Edit](#)

Live History **Profile**

005 ELD (604) 309-0421

Canada South 70 hour / 7 day

No Current Assets

Hours of Service

Hours Available Today 48 hr 11 min	DRIVE 08:25	SHIFT 08:25
Hours Available Tomorrow 42 hr 37 min	CYCLE 42:37	OFF-DUTY 04:00

Last Location

Log Audit Summary [View Logs](#)

LAST SIX MONTHS

100% Compliance

Compliant Logs	95
Logs with HOS Violations	0
Logs with Form & Manner Errors	0

Vehicle Utilization [View](#)

67% Utilization

24 hrs 54 min	68.25 l
49 hrs 47 min	747.73 l

13:16 Home

On Duty 207 **07:31:50**
Left in shift

07:32 DRIVE	07:32 SHIFT
43:02 CYCLE	03:12 OFF-DUTY

Your HOS recap

Thu, Mar 23	0.30	11.37
Fri, Mar 24	0.08	6.75
Sat, Mar 25	0.26	0.26
✓ 36-HOUR RESTART		
Sun, Mar 26	0.00	0.00
Mon, Mar 27	4.47	10.16
Tue, Mar 28	0.18	10.34

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Safety

Overview Coaching Drivers Events Speeding Requests Insights Dashboards

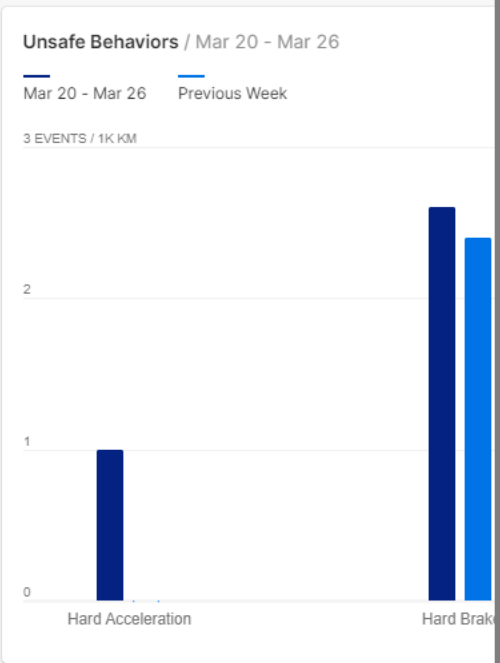
Driving Information

Request Video

DRIVE Score Summary / Mar 20 - Mar 26 vs. Previous Week

50 UPDATED 03/27

Total Driving (km) 1.9K ↓ 43% <small>35 hrs driven</small>	Active Drivers 6 ↓ 1 <small>17% coachable</small>	Events 18 ↓ 14% <small>18 unsafe behaviors</small>	Speeding 0.9% ↑ 1 <small>18 min</small>
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16:21

Logs

ON DUTY
2 hr 5 min 14 sec

207
Current Vehicle

TODAY

WEDNESDAY MAR 29
9 hr, 12 min 0 Defects

LAST 14 DAYS

- TUESDAY MAR 28**
10 hr, 20 min 0 Defects
- MONDAY MAR 27**
10 hr, 9 min 0 Defects
- SUNDAY MAR 26**
0 hr, 0 min No Inspections
- SATURDAY MAR 25**
0 hr, 15 min No Inspections
- FRIDAY MAR 24**
6 hr, 45 min No Inspections
- THURSDAY MAR 23**
11 hr, 22 min 1 Defect
- WEDNESDAY MAR 22**
11 hr, 5 min 1 Defect
- TUESDAY MAR 21**
10 hr, 21 min 2 Defects

Driver Performance

Bottom Driver <small>UPDATED 03/27</small>	Top Driver <small>UPDATED 03/27</small>	Coached vs. Uncoached <small>MAR 20 - MAR 26</small>
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- able Drivers 7
- added 6d ago
- nt Activity 4
- ent 3h ago
- able Events 0
- ding 1
- previous day
- cam Issues 0
- cations
- ested Videos 0
- ests pending
- k Links
- y Settings
- y Event Report
- Video Requests
- Connection History

- Motive
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Safety / Events / Hard Brake - Mar 29, 7:50 AM

Pending Review

Driving Alerts



New Mail Alerts

From	Subject	Received
Motive	Safety Alert: Hard corner detect...	3/30/2023 11:...
Motive	Safety Alert: Hard corner detect...	3/30/2023 11:...
Motive	Compliance Alert: HOS violation...	3/30/2023 6:5...

Edit Rule Open Item Close

Event Details

UNSAFE BEHAVIORS
Hard Brake

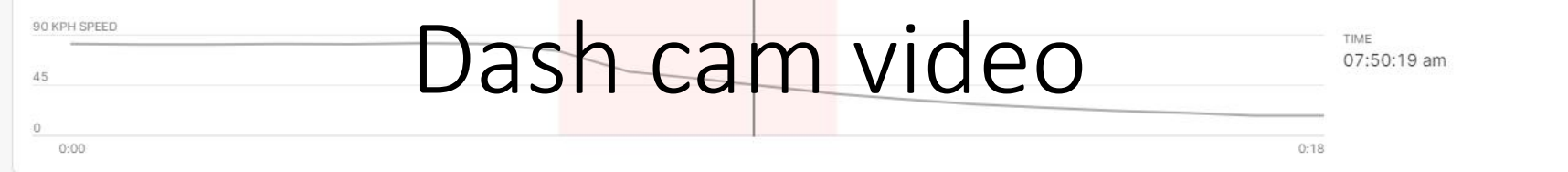
DRIVER / VEHICLE / LOCATION
Tim Martin
207 · 2016 International Terrastar
Abbotsford, BC

Notes

Write something... Enter ↵ to Save

Make visible to driver

Dash cam video



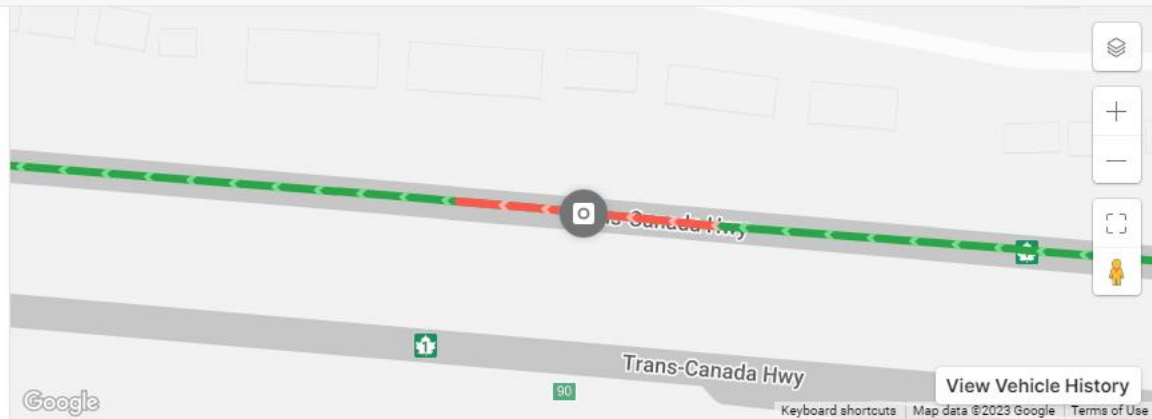
BRAKING INTENSITY
18 kph/s

DURATION
4s

SPEED RANGE
18 - 82 kph

ADDRESS
Trans-Canada Hwy, Abbotsford, BC V2S 1C2

BEARING
275° to 275° W



motive

Fleet View

+ Add an Entity v Create Geofence

Map | Vehicles | Drivers | Assets | Trips

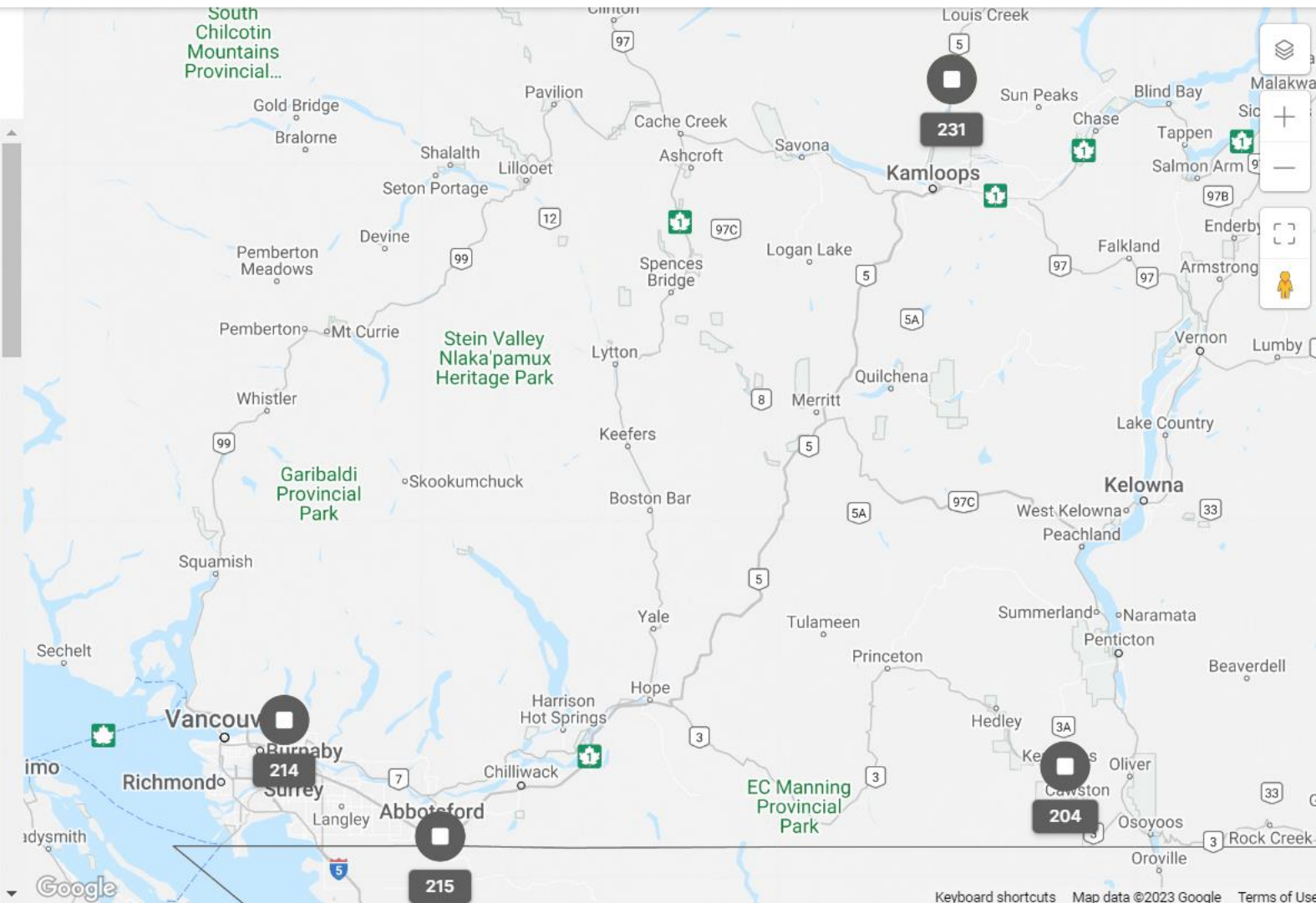
Search for ... Status v Filter

Groups v
+ Quick Actions

- Fleet View
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● Jason Schell 140	White Pine Beach Rd, Port Moody, BC V3H 4R2	2h 2m
▨ 205 Freightliner ▲	Westsyde Rd, Area P (Rivers and the Peaks), BC V0E 2H0	3m
■ 203 Ford ▲	1334 Riverside Rd, Abbotsford, BC V2S 8J2	11h 33m
■ 204 International	Middle Bench Rd, Keremeos, BC VOX 1N4	3h 20m
■ 207 International	White Pine Beach Rd, Port Moody, BC V3H 4R2	30m
■ 209 Freightliner	Middle Bench Rd, Keremeos, BC VOX 1N4	17h 55m

Fleet Location



motive

Groups ▾

+ Quick Actions

Fleet View

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Fuel

Add Fuel Purchase

Overview Drivers Vehicles IFTA Summary Trip Reports Fuel Purchases Idling Events

Fuel Consumption

Vehicle Types Mar 19, 2023 → Mar 25, 2023 Drivers & Vehicles Any Distance

Vehicle	Avg. L/100KM	Moving L/100KM ⓘ	Total Dist. (KM)	Utilization	Driving	Idling	Fuel Cost ⓘ	Odometer (KM) ⓘ	Fuel Type
231 2019 INTERNATIONAL CV515	20.0	19.9	618.0	95%	122.9 l 10h 32m	1.0 l 34m	\$136.98	95,441	Diesel
207 2016 INTERNATIONAL TR005	20.5	20.4	671.0	96%	137.1 l 11h 45m	0.6 l 27m	\$152.18	217,403	Diesel
203 2022 FORD F550	20.7	20.3	75.0	96%	15.3 l 1h 27m	0.2 l 4m	\$13.59	12,644	Gasoline
214 2006 INTERNATIONAL KL055	21.9	21.5	159.0	90%	34.1 l 3h 9m	0.7 l 20m	\$38.55	229,199	Diesel
215 2011 FORD F-550	24.1	24.1	194.0	100%	46.7 l 3h 2m	0.0 l 0m	\$51.62	321,486	Diesel
204 2020 INTERNATIONAL CV515	25.0	24.0	61.0	82%	14.6 l 1h 35m	0.6 l 21m	\$16.88	40,464	Diesel
322 2009 INTERNATIONAL MA025	40.2	32.4	132.0	44%	42.8 l 2h 22m	10.3 l 3h 3m	\$58.71	257,524	Diesel

motive

Groups

+ Quick Actions

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Maintenance Alerts


Inspection Details . 24 of 24 parts marked

DEFECTS (2) **NO DEFECTS (22)**

- 14 - Glass & Mirrors** Minor
Rock chip in windshield 
- 18 - Lamps/Reflectors** Minor
Passenger headlight reflector fell off 


Driver Signature

I declare that this vehicle has been inspected in accordance with the applicable requirements of Schedule 1 and/or jurisdiction legislation.



Mar 29

Repair Status ✓ 2 Defects Need Not Be Corrected



[Add Mechanic Signature](#)

DRIVER

VEHICLE
214 . International CF600

LOCATION
5.1 km SE of Abbotsford, BC

CARRIER
Precision Service & Pumps

ODOMETER
229,304

INSPECTION TYPE
Pre-Trip

Notes

Write something...

Enter ↵ to Save

fleet asset tracking

Motive
Formerly KeepTruckin

Modules available for tracking other support equipment such as compressors, generators, trailers anything that might grow legs



Dormant
3 days

Distance driven
250 miles

Time moved
2 hrs 3 mins



PRECISION
SERVICE & PUMPS INC.





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We are driving large commercial vehicles on public highways all around the province with heavy loads after many hours of off-road work.

Documenting compliance with regulations is worth the time and investment

Humboldt Broncos bus crash

April 6, 2018

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