CrashBoxx AI™
For light-duty vehicles

Vehicle accidents are taking an increasing toll as the number of crashes continues to climb. US fatalities have risen 18% in two years[1] and the Department of Transportation estimates the total annual cost from car crashes is $340 billion[2].

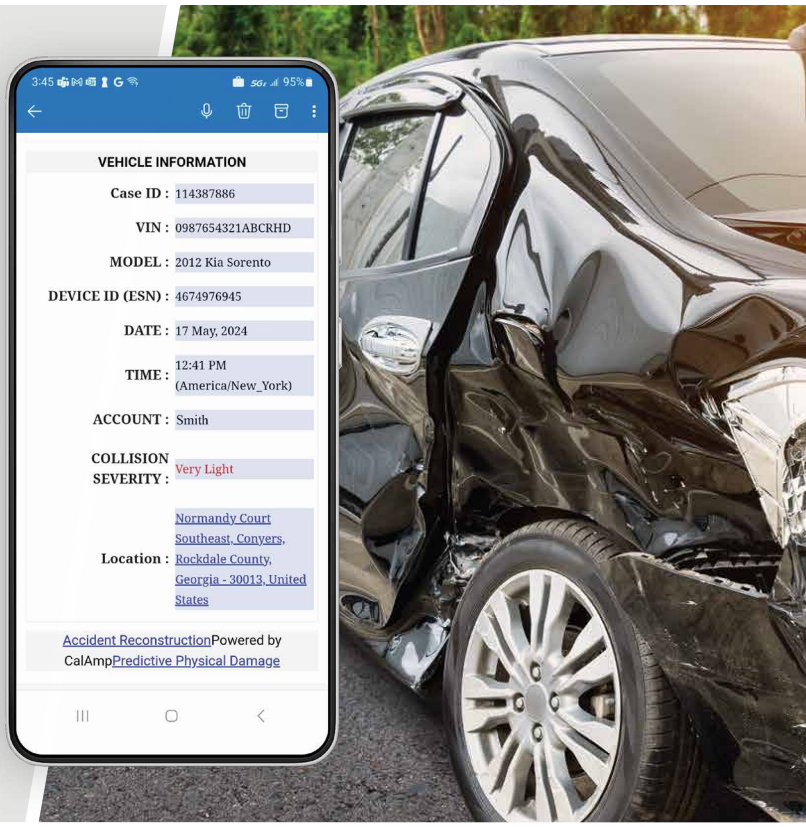
The safety and liability issues arising from driving incidents make it imperative that organizations know the details of accidents involving stakeholders as rapidly as possible.

Crashboxx AI is an ideal solution for companies, government entities, and school districts looking to boost safety and avoid liability, delivering:

- Immediate crash detection and email notification for light-duty vehicles
- Severity estimation (5-point scale)
- Accident Reconstruction report
- Predictive Physical Damage report

CrashBoxx AI is available with an array of CalAmp vehicle tracking devices.

Email notifications include links to Accident Reconstruction and Predictive Physical Damage reports. You can also view accident summary data in your CalAmp app or via API.



Advanced Technology Ensures Superior Reliability

Aftermarket solutions often rely on a single threshold breach for accident detection, such as sudden deceleration measured by the accelerometer on a smart phone. By comparison, CrashBoxx AI utilizes a high-precision algorithm for accident detection, aggregating multiple parameters for reporting, such as:

- Accelerometer data from the CalAmp tracking device
- Weight and frame information based on the vehicle identification number (VIN)
- Proprietary crash verification process, comparing incident data to an exhaustive library of historical crashes

This state-of-the-art architecture is designed to virtually eliminate the false positive accident reporting issues experienced with other systems. The result: superior accident detection, notification, and reporting within seconds that you can rely on when it matters.

[1] National Highway Traffic Safety Administration Overview of motor vehicle traffic crashes in 2021
[2] US Department of Transportation

Cal/Amp®

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Predictive Physical Damage Sample Report:

Vehicle Details

Region:	US
Make:	Toyota
Model:	Corolla
Year:	2018
VIN:	0987654321
Device ESN:	0987654321

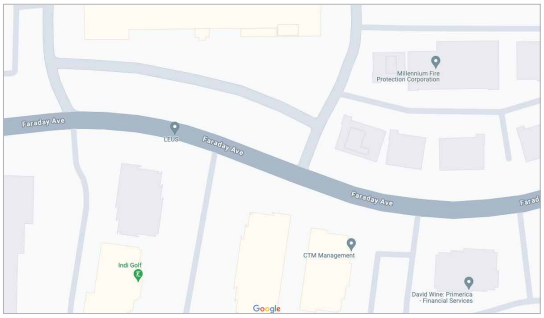
Crash Event Details

Case id:	0123456789
Severity:	Heavy
Pre-crash Speed (mph):	50
Event date:	May 20 2024
Event time:	UTC 11:19:03 PM
Account:	CalAmp
Crash lat:	33.1353879733
Crash long:	-117.28144328
Address: Speed (mph):	2200 Faraday Ave Carlsbad, CA 92008
AI Event classification:	CONFIRMED

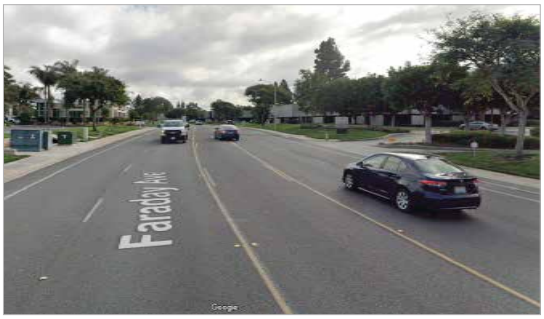
Bill of Materials

Rear Bumper Cover:	2 TailLight Assy
Rear Bumper Rebar:	Trunk Lid
Rear Fender:	Rear Glass
2 Rear Wheel Assy:	Rear Axel
Seat belt and d-ring:	Side air bag
Side curtain air bag:	Side air bag Sensor
Ecu:	

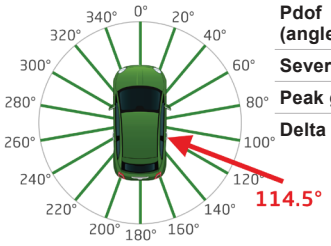
Location of Impact: Map



Location of Impact: Street View

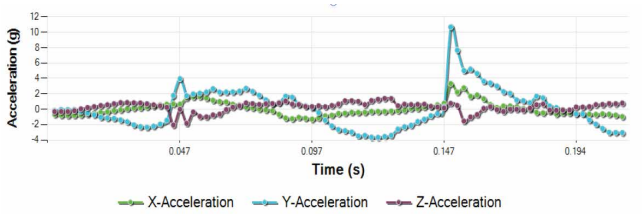


PDOF - Primary Direction of Force

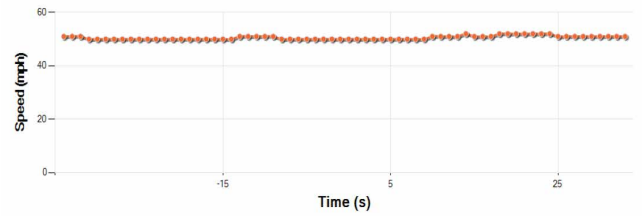


Pdof (angle of impact):	114.5 degrees
Severity:	Heavy
Peak g:	11.2 g
Delta v:	9.21 mph

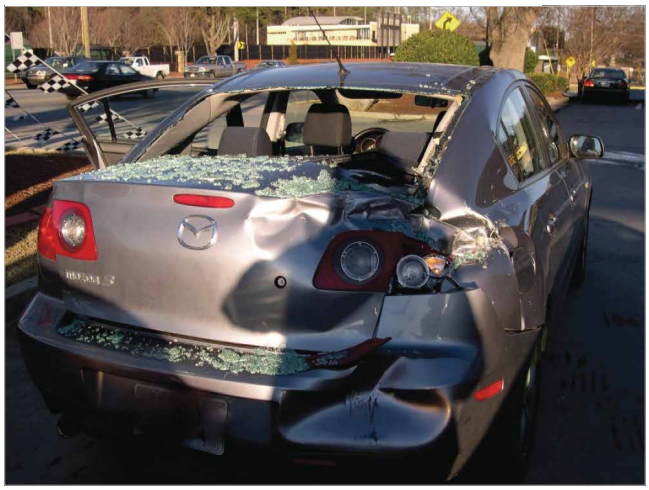
Acceleration Diagram



Speed Diagram



Predictive Car Damage



Contact CalAmp today to discuss your driving safety needs:

calamp.com/request-a-demo

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