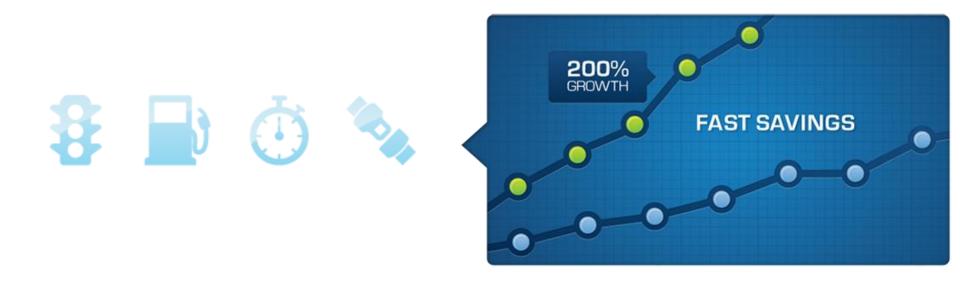
Selling and Supporting Safety

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Four Growth Pillars



4 core pillars drive Geotab's ongoing innovation, which helps businesses make impactful improvements:

- 1. Driver Safety
- 2. Productivity

- 3. Compliance
- 4. Fleet Optimization



Safety Pillar – Where to Find the ROI

- More accidents = higher insurance premiums
- Replacement vehicle rental costs.
- Workers compensation claim cost.
- Bent metal costs.
- Overtime/temporary employees.
- Damage to cargo.
- Insurance deductibles.
- Administrative cost for processing claim.
- Lost workdays.
- Delayed delivery/reorder costs.
- Rush order replacements.
- Legal fees.
- Punitive damages.
- Any other liability costs.
- Wear and tear on the vehicle/brakes.



Safety Pillar – Orkin Article

The Orkin article (link below) is a fantastic source for how managing safety can save an organization money.

This article can be found at <u>www.geotab.com</u> under Resources, under Article Topics. <u>http://www.geotab.com/geodownloads/resources/articles/Rollins-Orkin-Geotab-</u><u>Technology.pdf</u>

- Orkin is saving 25 million dollars/year in claim costs.
- 9% fuel reduction
- 50% reduction in accidents
- Orkin sets the rules and uses our system to strictly monitor any and all rule deviations.
- Seatbelt use
- Speeding
- Harsh braking



Safety Pillar – Prevention is Key

Managing the below will assist with prevention of accidents, speeding tickets and, therefore, lower unnecessary spending on safety related driving actions.

- Monitoring speed
- Monitoring seatbelt
- Harsh braking
- Harsh acceleration
- Harsh cornering
- Late night driving (10:00pm to 4:00am is considered drowsy driving hours)
- Reversing
- Accident recording.



Safety Pillar – Company Policy

- Company's usually have safety policy's in place.
- Does that extend to their fleet?
- Are they aware of what happens with the vehicle after the vehicle leaves the building?
- If not, we can assist in building a fleet safety policy.
- If so, we can assist in monitoring and managing that policy.

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Safety Pillar – Driver Programs

Two types of driver training programs.

- Heavy Handed where the company defines the rules and sets the beeping to coincide across the entire fleet. Usually occurs when an organization is experiencing large costs due to accidents/tickets etc.
- Driver Training Program where the company defines their rules, creates a scorecard based on those rules and monitors and manages the drivers weekly/monthly. They would then turn the beeper on by driver to improve their behavior. A little bit of a softer approach.
- 3) Incent the driver(s) that drive safely.

DRIVER FEEDBACK
On Off Enable/Disable all beeping.
On Off Enable driver identification reminder.
on Off Beep on engine rpm.
Over: 3500 Rpm
On Off Beep when idling for a period of time.
on Off Enable speed warning.
Start Beeping: 72 👘 mph
Stop Beeping: 70 👘 mph
Beep briefly when approaching warning speed.
On Off Beep on dangerous driving.
Passenger Car Truck/Cube Van Heavy Duty
on Off Beep when seat belt not used.
Above: 5 👘 mph
Monitor both passenger and driver seatbelts
on Off Beep when reversing

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Safety Pillar – Driver Programs

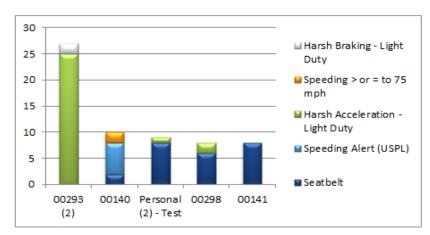
Can use Geotab's flexible reporting functionality to create a driver score card that will make it easier for management levels to see who needs some driver training.

Asset	Driving > 10 Hours	Harsh Acceleration	Harsh Braking	Seatbelt Off	Speed > or = 72 Sp	eed > or = 75 mph	Total Events
Vehicle 1	0	78	5	1	0	0	84
Vehicle 2	0	0	2	66	8	2	78
Vehicle 3	0	16	0	29	18	2	65
Vehicle 4	0	40	2	0	0	2	44
Vehicle 5	0	0	0	18	7	2	27
Vehicle 6	0	15	0	0	1	2	18
Vehicle 7	0	6	0	0	7	3	16
Vehicle 8	0	10	0	1	0	1	12
Vehicle 9	0	4	1	5	1	0	11
Vehicle 10	0	2	0	8	0	0	10
Vehicle 11	0	1	8	1	0	0	10
Vehicle 12	0	1	2	7	0	0	10
Vehicle 13	0	9	0	0	0	1	10
Vehicle 14	0	4	0	0	1	2	7
Vehicle 15	0	0	0	4	0	3	7
Vehicle 16	0	4	2	0	0	0	6
Vehicle 17	0	1	0	0	0	3	4
Vehicle 18	0	2	0	0	0	0	2
Vehicle 19	0	0	2	0	0	0	2
Vehicle 20	0	1	0	0	0	0	1
Vehicle 21	0	1	0	0	0	0	1
Vehicle 22	0	0	0	0	0	0	0
Vehicle 23	0	0	0	0	0	0	0
Vehicle 24	0	0	0	0	0	0	0
Vehicle 25	0	0	0	0	0	0	0
Vehicle 26	0	0	0	0	0	0	0
Vehicle 27	0	0	0	0	0	0	0
Vehicle 28	0	0	0	0	0	0	0
Grand Total	0	195	24	140	43	23	425

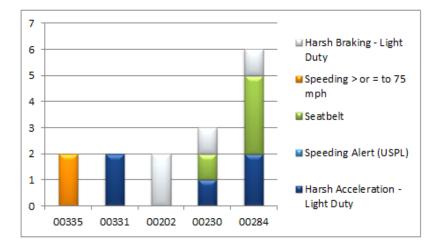
Safety Pillar - Reporting

- Can easily show based on the rules of your customers choice who are safe drivers and who are risky drivers.
- Driver scores can also be set up to be emailed to the users in a timely matter.
- Can also look at the positive. Who are safe drivers and offer an incentive program. This concept is becoming very popular.





Top 5 Safe Drivers



GEOTAB

Safety Pillar - Supporting

- First, understand your customers needs and set the rules accordingly.
- Simple, popular rules to work with.
- These rules can be set to be emailed in real time using the envelope on the far right if needed.
- Otherwise they automatically populate into the Exceptions report and the Risk Management report.
- You can also see broken rules on the map and in the Trips Detail report.

SAFETY	
On Off	Harsh Braking Passenger Car Truck/Cube Van Heavy Duty
	When set to Passenger Car, the rule will origger when there is a drop in speed of 17 km/h or 10 mph in a single second. A force of ½ G would be exerted on the vehicle. The driver would be thrown forwards the steering wheel and any vehicle load would shift to the front. Lose objects on the seat would likely be thrown to the floor.
On Off	Hard Acceleration Passenger Car Truck/Colle Van Heavy Duty
	When set to Passenger Car, the rule will trigger when speed increases 16 km/h or 10 mph in a single second. A force of ½ G would be exerted on the vehicle. The driver would be thrown back into their seat and the load could shift.
On Off	Harsh Cornering Passenger Car Truck/Cube Van Heavy Duty ? ?
	When set to Passenger Car, the rule will trigger when a hard or aggressive turn causes a force greater than 15 G to be exerted on the vehicle. A light duty passenger vehicle making a 90 degree right hand turn above 40 km/h or 25 mph would trigger the rule. The load could shift and unrestrained objects on the seat could be thrown.
On Off	Speeding SPEED OVER LIMIT:
	Speed is monitored against the posted road speed. Posted road speed information is not always accurate so the threshold should be at least about 10 km/h or 6 mph over the posted speed. If there is no posted road speed information for a section of a trip then no violation will be logged there.
On Off	Seatbelt 2 a
	This rule is triggered when the driver isn't wearing a seabelt while the vehicle is moving faster than 10 km/h or 6.21 mph. NOTE. This rule is based on the status of the seatbelt that is communicated by the ECM. Not all vehicles transmit information about the seatbelt.
	NOTE. This fold b based on the seawork this, is communicated by the claim, not an remote statistic movimisuou about the seawork.
On Off	After Hours Usage
	This rule is triggered when a vehicle is driven outside work hours. Different vehicles can have different work hours or work days. / Edit Work Hours
On Off	Possible Accident
	This rule is triggered if the accelerometer detects a change in speed of more than 25 km/h or 15 mph in 1 second in any direction. If possible the device will send detailed forensic information about position, speed and acceleration of the vehicle. False alarms are possible.



Safety Pillar – Exceptions Detail

- Exceptions Detail report shows every rule broken and location.
- You can double click on any given line and it will take you to the map to show you where the rule was broken. Often used in driver discussions.

	The longer 1			Annual II. I have been at 1 1 2 hours				Analis Tax II I III III III III				
Summarized	🔀 Options 📗 Reports 🗸 🕢)										
Device	Select Exception Rules			Location	Start Time	Duration	n Distance (miles)	Exception Info	Rule Details	All Vehicles	Divisions	Territory
SH 807 6ZV Va	a Select All Rules 🔹 📕	None										
SH 807 6ZV Van R	R Select All Rules		aving	Second Harvest: 1524 Lodestar Rd, North York, ON, M3J 3C1	18/06/2013 11:07:35 AM	<1m	0	Gear Position: 63.00	Backing Up When Leaving	All Vehicles	Second Harvest	West Regic
SH 807 6ZV Van R	Select Particular Rules			118 Allen Rd, Toronto, ON, M3H	18/06/2013 11:11:47 AM	<1m	1	Max Speed: 58 miles (Max road speed: 50 miles)	Speeding	All Vehicles	Second Harvest	West Regic
SH 807 6ZV Van F				HWY-401 Collectors, Toronto, ON, M2P	18/06/2013 11:16:32 AM	<1m	0	Max Speed: 68 miles (Max road speed: 62 miles)	Speeding	All Vehicles	Second Harvest	West Regic
SH 807 6ZV Van R				Lesmill Rd & Duncan Mill Rd, North York, ON, M3B	18/06/2013 11:19:49 AM	<1m	0	Max Speed: 37 miles (Max road speed: 31 miles)	Speeding	All Vehicles	Second Harvest	West Regic
SH 807 6ZV Van R				1370 Don Mills Rd, North York, ON, M3B 3N7	18/06/2013 11:23:25 AM	<1m	. 0	Max Speed: 42 miles (Max road speed: 37 miles)	Speeding	All Vehicles	Second Harvest	West Regic
SH 807 6ZV Van R	R 📃 Harsh Braking			926 Don Mills Rd, North York, ON, M3C	18/06/2013 11:37:23 AM	<1m	. 1	Max Speed: 47 miles (Max road speed: 37 miles)	Speeding	All Vehicles	Second Harvest	West Regic
SH 807 6ZV Van R	R 📃 Harsh Cornering			751 Don Mills Rd, North York, ON, M3C 1S3	18/06/2013 11:40:57 AM	<1m	. 0	Max Speed: 42 miles (Max road speed: 37 miles)	Speeding	All Vehicles	Second Harvest	West Regic
SH 807 6ZV Van R	R 🔲 Idling			592 Don Mills Rd, Toronto, ON, M3C	18/06/2013 11:42:36 AM	<1m	. 0	Max Speed: 45 miles (Max road speed: 37 miles)	Speeding	All Vehicles	Second Harvest	West Regic
SH 807 6ZV Van R	R 🔲 Seatbelt			Don Mills Rd, Toronto, ON, M3C	18/06/2013 11:43:04 AM	<1m	. 0	Max Speed: 41 miles (Max road speed: 37 miles)	Speeding	All Vehicles	Second Harvest	West Regic
SH 807 6ZV Van R				Don Valley Pky, Toronto, ON, M4K	18/06/2013 11:44:27 AM	<1m	. 0	Max Speed: 60 miles (Max road speed: 56 miles)	Speeding	All Vehicles	Second Harvest	West Regio
SH 807 6ZV Van R	R 🔲 Suspected Extreme Event			Don Valley Pky, Toronto, ON, M4K	18/06/2013 11:45:06 AM	<1m	. 0	Max Speed: 60 miles (Max road speed: 56 miles)	Speeding	All Vehicles	Second Harvest	West Regio
SH 807 6ZV Van R	4			Bayview Ave, Toronto, ON, M4K	18/06/2013 11:47:10 AM	<1m	. 0	Max Speed: 42 miles (Max road speed: 37 miles)	Speeding	All Vehicles	Second Harvest	West Regio
SH 807 6ZV Van R	4			12 Sheppard St, Toronto, ON, M5H	18/06/2013 12:45:42 PM	5m	. 0		Idling	All Vehicles	Second Harvest	West Regio
SH 807 6ZV Van R	A		aving	1428-Scott Mission: 280 College St, Toronto, ON, MST 1R9	18/06/2013 1:15:36 PM	<1m	. 0	Gear Position: 63.00	Backing Up When Leaving	All Vehicles	Second Harvest	West Regio
1	1					9m	. 2					
,												



Safety Pillar – Exceptions Summary

- Exceptions Summary is a simple total count of how many rules have been broken for the time frame and vehicle set chosen.
- Often used for simple dashboards and/or reports for those that just want to know who broke the most rules and/or who broke the least amount of rules.
- Used when not interested in looking at broken rules by mile driven.

Device	Exception Rule	First Incident	Last Incident	Duration	Distance (miles)	Incident Count	All Vehicles	Divisions	Territory
SH 196 9XE R1									
SH 196 9XE R 1	Speeding	18/06/2013 2:43:51 PM	18/06/2013 2:43:51 PM	<1m	0	1	All Vehicles	Second Harvest	South Region
				<1m	0				
SH 655 0TR R5 —									
GH 655 OTR R5	Speeding	18/06/2013 2:54:44 PM	18/06/2013 2:54:44 PM	<1m	0	1	All Vehicles	Second Harvest	East Region
				<1m	0				
SH 670 7TR SP —									
SH 670 7TR SP	Speeding	18/06/2013 11:07:43 AM	18/06/2013 12:12:14 PM	1m	1	2	All Vehicles	Second Harvest	East Region
				1m	1				
SH 807 6ZV Van R	29								
SH 807 6ZV Van R9	Backing Up When Leaving	18/06/2013 11:07:35 AM	18/06/2013 1:15:36 PM	<1m	0	2	All Vehicles	Second Harvest	West Region
SH 807 6ZV Van R9	Speeding	18/06/2013 11:11:47 AM	18/06/2013 11:47:10 AM	3m	3	11	All Vehicles	Second Harvest	West Region
				3m	3				
SH AA56968 R8 -									
SH AA56968 R8	Speeding	18/06/2013 11:40:08 AM	18/06/2013 12:03:24 PM	1m	2	2	All Vehicles	Second Harvest	West Region
GH AA56968 R8	Harsh Cornering	18/06/2013 1:29:48 PM	18/06/2013 1:29:48 PM		0	1	All Vehicles	Second Harvest	West Region
				1m	2				
SH AD24848 R3 -									
SH AD24848 R3	Hard Acceleration	18/06/2013 8:26:17 AM	18/06/2013 11:29:44 AM	<1m	0	9	All Vehicles	Second Harvest , Second Harvest \Temp Sensor Vehicle Group	South Region
SH AD24848 R3	Speeding	18/06/2013 9:53:30 AM	18/06/2013 11:48:20 AM	2m	1	6	All Vehicles	Second Harvest , Second Harvest \Temp Sensor Vehicle Group	South Region
				2m	1				



Safety Pillar – Risk Management

- Fantastic all encompassing report, used for many custom template reports not only safety.
- It is the most commonly used report for most driver scorecards due to the fact that it has total distance driven.
- That gives you the ability to look at how many rules are broken by mile driven.
- Can view this report by driver or by branch/division, therefore, identifying areas/drivers that need driver training.

SH 807 6ZV Options 👻 Sort by Name 💌 Reports 💌

Risk Management Report

SH 807 6ZV Van R9	Show details
Distance 118mi Idling time 16m 54s Speed over 62mi: 2 65mi: 3 68mi: 2 ExceptionEvents Backing Up When Leaving: 7 times for 2m 37s for 0.039mi Hard Acceleration: twice for 0.001mi Harsh Cornering: 7 times for 5s for 0.027mi Harsh Braking: twice for 0.002mi Speeding: 38 times for 22m 45s for 20mi	
SH 807 67V Ontions V Sort by Name V Reports V	

Risk Management Report

SH 807 6ZV Van R9	Hide Details
Distance 118mi Idling time 16m 54s Idling over 5 mins 0 Tamper signs 0 After hours trips 0	
Speed over 62mi: 2 65mi: 3 68mi: 2 Average speed 16mi	
ExceptionEvents Backing Up When Leaving: 7 times for 2m 37s for 0.039mi Hard Acceleration: twice for 1s for 0.001mi Harsh Cornering: 7 times for 5s for 0.027mi Harsh Braking: twice for 0.002mi Seatbelt: 0 time Speeding: 38 times for 22m 45s for 20mi	
Stops (counts) Total: 36 < 10 m: 22 > 10 m: 5 > 20 m: 1 > 30 m: 0 > 50 m: 8	



Safety Pillar – Accident Data

- This is one rule that should be set up to notify someone in real time when an accident has occurred.
- Once an accident level event occurs we download 72 seconds of second by second data into MyGeotab to allow us to recreate the event.
- An accident level event is usually about a 2.5 G force level and higher.
- The accident data populates into both the View Accident & Log Data Report and the Status View in the Engine Report

Options 🛛 💭 View Faults 🐁 D	smiss Faults 🕕 View B	xceptions	Croubleshoot 🔎 More Details	🛐 Reports 👻 Mo	re •			
us View	Device	Time	Description	Value	View on Graph	s	Territory	
	SH 807 6ZV Van R9	8:32 AM	Acceleration forward or braking	-0.18	View in Map	Harvest	West Region	
d: Today	SH 807 6ZV Van R9	8:32 AM	Acceleration forward or braking	0.00 c	Last Known Position	Harvest	West Region	
ack to Top 🕞 Second Harvest	SH 807 6ZV Van R9	8:32 AM	Acceleration forward or braking	-0.31		Harvest	West Region	
	SH 807 6ZV Van R9	8:32 AM	Acceleration forward or braking	-0.02	Reminders	Harvest	West Region	
	SH 807 6ZV Van R9	8:32 AM	Acceleration forward or braking	0.25 g	All Vehicles	Second Harvest	West Region	
Select All/None	SH 807 6ZV Van R9	8:32 AM	Acceleration forward or braking	0.02 g	All Vehicles	Second Harvest	West Region	
ĵ∕•	SH 807 6ZV Van R9	8:32 AM	Acceleration forward or braking	0.02 g	All Vehicles	Second Harvest	West Region	
Temp Sensor Vehicle Group (2)	SH 807 6ZV Van R9	8:32 AM	Acceleration forward or braking	0.18 g	All Vehicles	Second Harvest	West Region	
SH 196 9XE R 1	SH 807 6ZV Van R9	8:32 AM	Acceleration forward or braking	0.02 g	All Vehicles	Second Harvest	West Region	
SH 254 6VH R6	SH 807 6ZV Van R9	8:32 AM	Acceleration forward or braking	-0.05 g	All Vehicles	Second Harvest	West Region	
SH 655 0TR R5	SH 807 6ZV Van R9	8:32 AM	Acceleration forward or braking	0.02 g	All Vehicles	Second Harvest	West Region	
) SH 670 7TR SP) SH 685 6RK R7	SH 807 6ZV Van R9	8:32 AM	Acceleration forward or braking	-0.02 g	All Vehicles	Second Harvest	West Region	
SH 685 6RK R7	SH 807 6ZV Van R9	8:32 AM	Acceleration forward or braking	0.00 g	All Vehicles	Second Harvest	West Region	
SH 806 1VT R2	SH 807 6ZV Van R9	8:32 AM	Acceleration forward or braking	0.04 g	All Vehicles	Second Harvest	West Region	
SH 807 6ZV Van R9	SH 807 6ZV Van R9	8:32 AM	Acceleration forward or braking	0.02 g	All Vehicles	Second Harvest	West Region	
SH AA56968 R8	SH 807 6ZV Van R9	8:32 AM	Acceleration forward or braking	0.05 g	All Vehicles	Second Harvest	West Region	
SH AC63 842 R4	SH 807 6ZV Van R9	8:32 AM	Acceleration forward or braking	-0.09 g	All Vehicles	Second Harvest	West Region	
SH AD24848 R3	SH 807 6ZV Van R9	8:32 AM	Acceleration forward or braking	0.00 g	All Vehicles	Second Harvest	West Region	
	SH 807 6ZV Van R9	8:32 AM	Acceleration forward or braking	0.18 g	All Vehicles	Second Harvest	West Region	
	SH 807 6ZV Van R9	8:32 AM	Acceleration forward or braking	-0.11 g	All Vehicles	Second Harvest	West Region	
	SH 807 6ZV Van R9	8:32 AM	Acceleration forward or braking	-0.29 g	All Vehicles	Second Harvest	West Region	
	SH 807 6ZV Van R9	8:32 AM	Acceleration forward or braking	-0.11 g	All Vehicles	Second Harvest	West Region	
	SH 807 6ZV Van R9	8:32 AM	Acceleration forward or braking	0.00 g	All Vehicles	Second Harvest	West Region	
	SH 807 6ZV Van R9	8:34 AM	Acceleration forward or braking	0.00 g	All Vehicles	Second Harvest	West Region	
	SH 807 6ZV Van R9	8:34 AM	Acceleration forward or braking	0.00 g	All Vehicles	Second Harvest	West Region	
	SH 807 6ZV Van R9	8:34 AM	Acceleration forward or braking	0.07 g	All Vehicles	Second Harvest	West Region	
	SH 807 6ZV Van R9	8:34 AM	Acceleration forward or braking	0.09 g	All Vehicles	Second Harvest	West Region	
	SH 807 6ZV Van R9	8:34 AM	Acceleration forward or braking	0.07 g	All Vehicles	Second Harvest	West Region	
	SH 807 6ZV Van R9	8:34 AM	Acceleration forward or braking	0.09 g	All Vehicles	Second Harvest	West Region	
	SH 807 6ZV Van R9	8:34 AM	Acceleration forward or braking	-0.04 g	All Vehicles	Second Harvest	West Region	
	SH 807 6ZV Van R9	8:34 AM	Acceleration forward or braking	0.05 g	All Vehicles	Second Harvest	West Region	
how Inactive	SH 807 67V Van R9	8:34 AM	Acceleration forward or braking	0.02 a	All Vehicles	Second Harvest	West Region	