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$2.4 Million in Gas Theft by Government Workers Reported Since 2010

By Scott MacFarlane

Published Mar 20, 2015 at 7:12 PM

Why BlueArrow Fuel?

"The trucking industry is especially vulnerable to fraud at the pump, costing businesses millions of dollars each year."

Eric Dowdell
President of North America trucking for Comdata

What is missing from other fuel card integrations?

Data Accuracy

- Incorrect addresses for gas station locations

- Incorrect transaction times

- These issues and more result in false positives that cloud the data the customer is looking at

- BlueArrow Fuel has multiple algorithms to weed out these false positives and provide only relevant information

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Time Theft

Unnecessary fill-ups

Excessive time at the pump

BlueArrow Fuel allows management to customize acceptable time limits at pump along with alerting for unnecessary stops to fill-up.

Workflow Process

- Correct the incorrect gas station locations from fuel card providers

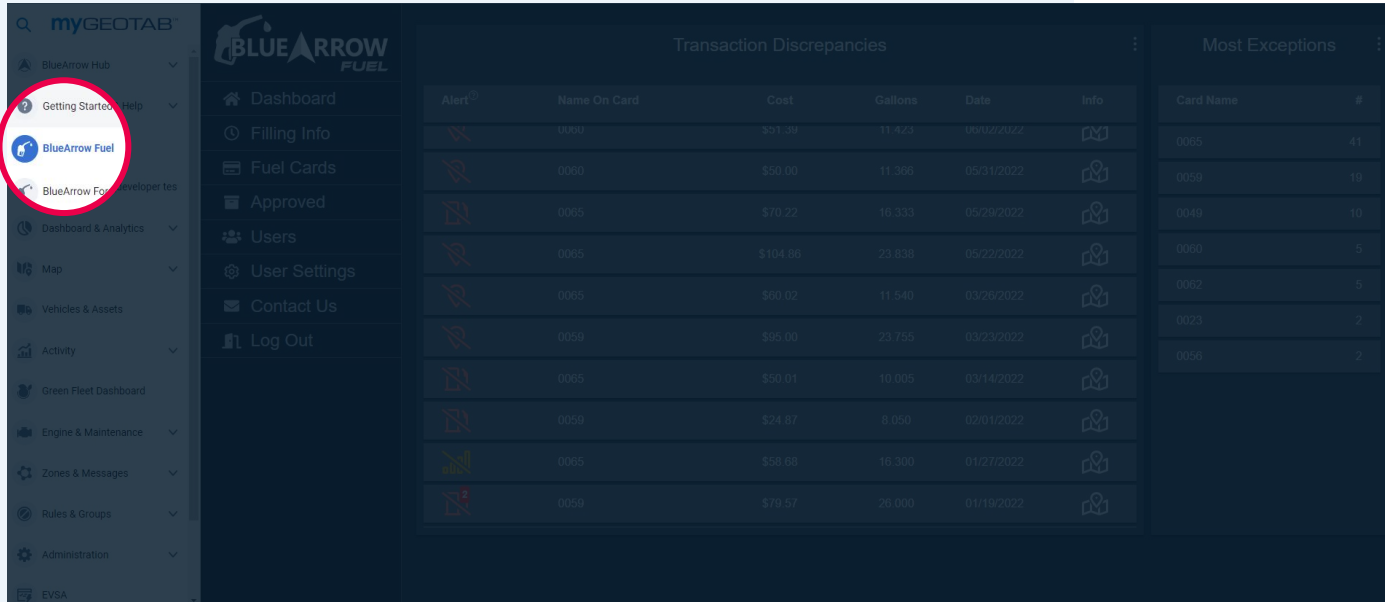- Approve transactions that are determined to not be fuel theft

- Significantly reduce time required to monitor fuel cards for fuel theft

BLUE ARROW FUEL

How BlueArrow Fuel Works

Geotab Add In

sales@bluearrowmail.com
bluearrowtelematics.com

Dashboard

Transaction Discrepancies

Alert	Driver	Cost	Gallons	Date	Info
	ROBERT ALLEN	$32.80	9.950	02/13/2022	
	DONELL FARMER	$100.32	29.550	02/13/2022	
	BRANDON WILKERSON	$49.70	14.620	02/13/2022	
	JOHN NANCE JR	$78.63	23.339	02/12/2022	
	CALEB GUNTER	$63.97	19.100	02/12/2022	
	NICHOLAS PYRTLE	$30.66	9.290	02/12/2022	
	WILLIAM WATSON	$95.04	29.070	02/12/2022	
	BRIAN BROCK	$23.54	6.925	02/12/2022	
	HOWARD LONGACRE	$99.09	30.312	02/12/2022	
	BRANDON WILKERSON	$40.71	10.710	02/11/2022	

Most Exceptions

Driver	#
MARCOS MEJIA BAUTISTA	7
ERROL GODINEZ	7
ADAM PICKENS	5
KENNETH LORD	5
ROBERT GENTLE	4
WILLIAM PRICE	4
CHRISTOPHER TONSING	4
JASON RODRIQUEZ	4
ALEX HEPHNER	4
DANIEL ASANTE	3
JASON LEFTWICH	3

- Vehicle Not Reporting
- Location Mismatch
- Fuel Level Mismatch
- Transaction Group
- Fuel Type Mismatch
- Filling Time Alert
- Filling Percent Alert
- Multiple Alert Types

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Location Mismatch

- Shows location of vehicle and gas station on the map

- Investigate the discrepancy easily in Geotab

Transaction Details

Unit Number	**Vehicle Name**	**Vehicle Group**
614938	V0889, William Atkinson	Default Group
Price Per Gallon	**Gallons**	**Total Cost**
$3.29	22.033	$72.47
Fuel Type	**Datetime**	**Driver Name**
Regular	10:42 AM 02/10/2022	WILLIAM ATKINSON
Filling Time	**Filling %**	
No Data	No Data	View Trip

Gas Station

Name
CIRCLE K 05049

Address
3301 S KINGS HWY
NORTH MYRTLE, SC 29582

Device Details

Distance
2.29 miles

Fuel Difference
Device not reporting

Incorrect gas station location?

Approve Transaction   Correct It!

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Location Mismatch

Confirm alert from
BlueArrow Fuel with
Geotab Trip data
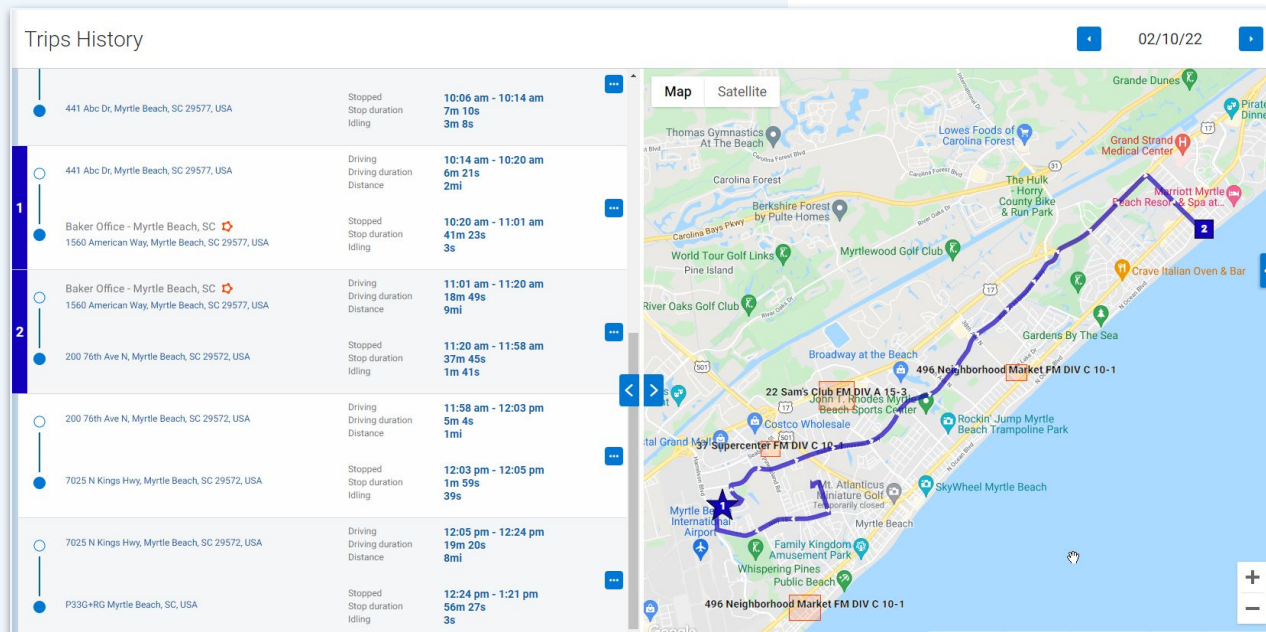
✅ Approved Transactions

- Approve transactions if there was no fuel theft after investigation

- This usually happens when the wrong card is used on a vehicle, especially in the case of a vehicle being down for maintenance

Transaction Details

Unit Number 611659	**Vehicle Name** V3720, Darius Polk	**Vehicle Group** Default Group
Price Per Gallon $3.40	**Gallons** 12.320	**Total Cost** $41.90
Fuel Type Regular	**Datetime** 8:50 AM 02/11/2022	**Driver Name** DARIUS POLK
Filling Time No Data	**Filling %** No Data	**View Trip**

Gas Station

Name
WAWA 692 00006924

Address
11701 JEFFERSON DAVIS
CHESTER, VA 23831

Device Details

Distance
0.81 miles

Fuel Difference
Device not reporting

Map | Satellite

Incorrect gas station location?

Approve Transaction   **Correct It!**

Correcting a Gas Station

- Easily correct incorrect locations provided by fuel card providers to avoid false positives

- In this example, see the Bluff Road address provided by the fuel card provider, but the gas station is actually on Buff Road

- We see this in about 5% of all gas station locations

Transaction Details

Unit Number 643964	**Vehicle Name** V1016, Marcelo Paz Pena	**Vehicle Group** Default Group
Price Per Gallon $3.20	**Gallons** 29.450	**Total Cost** $94.20
Fuel Type Regular	**Datetime** 10:04 AM 02/05/2022	**Driver Name** MARCELO PAZ
Filling Time 28:22	**Filling %** 20.39	**View Trip**

Gas Station
Name
LOVE S TRAVEL 00007906

Address
401 BLUFF ROAD
SUMMERTON, SC 29148

Device Details
Distance
17.55 miles

Fuel Difference
1.78 gallons

Incorrect gas station location?

Approve Transaction   **Correct It!**

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Fuel Level Mismatch

- Vehicle was at the gas station but not all fuel purchased went into the vehicle

Transaction Details

Name On Card
0059

Vehicle Name
Garrett - 2014 Black Chevy

Vehicle Group
Default Group

Price Per Gallon
$3.09

Gallons
8.050

Total Cost
$24.87

Fuel Type
Regular

Datetime
8:15 AM 02/01/2022

Driver Name
GARRETT KILCOLLINS

Filling Time
No Data

Filling %
49.01

View Trip

Gas Station

Name
SHELL IP094874

Address
3308 NC HWY 55
DURHAM, NC 27713

Device Details

Distance
0.01 miles

Fuel Difference
7.95 gallons

Map | Satellite

Shell

Google   Keyboard shortcuts   Map data ©2022   Terms of Use   Report a map error

Incorrect gas station location?

Approve Transaction   Correct It!

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Transaction Group

- Card swiped multiple times at the same location at the same time

- Only alerted if the multiple transactions results in a fuel level mismatch

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Fuel Type Mismatch

- Fuel type purchased doesn't match fuel type of the vehicle

- Usually seen with fuel level mismatches as an additional point of data

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Filling Time/Percent Mismatch

- If a driver stays at a gas station longer than the allowable threshold

- If a driver fills up with too much gas still remaining in the tank

Transaction Details

Unit Number
626585

Vehicle Name
V0936, Jarvis Charles KUV

Vehicle Group
Default Group

Price Per Gallon
$2.90

Gallons
10.340

Total Cost
$30.00

Fuel Type
Regular

Datetime
1:36 PM 08/12/2021

Driver Name
SHAWN ACKERS

Filling Time
25:32

Filling %
46.27

Gas Station

Name
AM PM TRAVEL CENTER

Address
4706 DEANS BRIDGE RD
BLYTHE, GA 30805

Device Details

Distance
0.03 miles

Fuel Difference
0 gallons

Incorrect gas station location?

Approve Transaction   **Correct It!**

Filling Info

Filling Info dashboard allows you to see how long you drivers are spending at a gas station on average and how much fuel is in the tank when they stop to fill up on average.

Filling Info		
Driver	**Avg Filling Time**	**Avg Tank %**
ROBERT ALLEN	46:17	7.26
ADAM PICKENS	32:44	26.27
DANIEL STEERS	29:36	15.29
MARSHALL WISE	29:29	13.33
BRIAN BROCK	27:21	No Data
MAC PAINE	26:23	22.75
DENNIS JONES	26:22	8.63
DANIEL VALENTINE	24:35	No Data
DERECK HODGE	23:20	25.88

Why Filling Time?

Death by a 1,000 Cuts

Drivers are diverted about two miles out of the way to get gas

Drivers are spending about 8 minutes at the gas station each time they stop for fuel

Vehicles have one-third of a tank of fuel, on average, when drivers stop for gas

A gas station stop adds more than 20 minutes to each trip a vehicle makes for fuel

85% of vehicles go to the gas station with half a tank of gas remaining at least once a month

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! Most Exceptions Details

If you click on a driver in the
Most Exceptions section of the
dashboard, you can see a
summary of the transaction
discrepancies related to this driver.

Most Exceptions Details

Driver	Total Money In Dispute	Total Fuel In Dispute
WILLIAM PRICE	$308.03	94.310 gallons

Alert	Driver	Cost	Gallons	Date	Info
	WILLIAM PRICE	$74.00	22.100	02/11/2022	
	WILLIAM PRICE	$68.01	20.310	02/09/2022	
	WILLIAM PRICE	$66.02	20.640	02/04/2022	
	WILLIAM PRICE	$100.00	31.260	02/02/2022	

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Excel Report Emailed Nightly

Summary of all transaction discrepancies detected each day

	A	B	C	D	E	F	G	H	I
1	**Bad Transactions Report**								
2	Date Range	06-04-2020 to 07-08-2020							
3	Alerts	Location Mismatch							
4		Fuel Level Mismatch							
5		Vehicle Device Not Reporting							
6		Fuel Type Mismatch							
7									
8									
9									
10	Date	Vehicle	Type	Driver	Fuel Type	Total Cost	Gallons Purchased	Actual Fuel Added	Miles from Station
11	July 03, 2020 3:26 PM	V0908, Howard Longacre	Fuel level mismatch	HOWARD LONGACRE	Regular	$39.39	20.15	13.97	0.01
12	July 02, 2020 10:29 PM	V1125, Efrain Rodriguez	Fuel level mismatch	EFRAIN RODRIGUEZ	Regular	$69.49	34.84	30.63	0.02
13	July 02, 2020 9:45 PM	V3708 Khone Dyrattana, KUV	Fuel level mismatch	KHONESANH DYRATTANA	Midgrade	$75.00	29.424	19.93	0.06
14	July 02, 2020 9:06 PM	V0815, Jonathan Ortiz	Location mismatch	JONATHAN ORTIZ	Regular	$68.55	31.17		24.38
15	July 02, 2020 8:35 PM	V0637, Sammy Maldonado Dominguez	Fuel level mismatch	SAMUEL MALDONADO	Regular	$54.06	25.27	20.06	0.01
16	July 02, 2020 8:25 PM	V0953, Pedro Cruz	Fuel level mismatch	PEDRO CRUZ	Regular	$52.64	26.734	23.29	0.02
17	July 02, 2020 7:37 PM	V3681, Wesley Wilkerson, KUV	Fuel level mismatch	WESTLEY WILKERSON	Regular	$55.12	29.03	16.8	0.01
18	July 02, 2020 6:35 PM	V0967, Spare Nashville CM truck	Fuel level mismatch	CHAD LAVERN	Regular	$33.48	19.03	15.81	0.02
19	July 02, 2020 6:18 PM	V0368, Garage Shop truck	Fuel level mismatch	HENRI KISSAKI	Diesel	$61.70	28.06	23.32	0.01
20	July 02, 2020 4:21 PM	V0599, Ronald Chris Hall	Fuel level mismatch	CHRIS HALL	Regular	$59.84	32.27	26.53	0.01
21	July 02, 2020 3:16 PM	V3221, Adam Gibson	No vehicle location	SHANE GIBSON	Regular	$53.50	28.17		
22	July 02, 2020 2:52 PM	V1079, Stan Mullings	Location mismatch	STAN MULLINS	Regular	$44.22	21.374	20.08	92.56
23	July 02, 2020 2:09 PM	V5003, Dwayne Norman	Fuel level mismatch	DYWANE NORMAN	Regular	$38.38	20.21	11.01	
24	July 02, 2020 2:01 PM	V0570, Boris Mosquera	Fuel level mismatch	SETH HAGEN	Regular	$54.50	25.24	9.88	0.37
25	July 02, 2020 1:27 PM	V3667, Jeff Tolley	Fuel level mismatch	JEFF TOLLEY	Regular	$54.81	29.96	20.7	0.02
26	July 02, 2020 1:26 PM	V1010 Raleigh Dump Truck	Location mismatch	JACOB DOCKREY	Regular	$23.12	10.707	0	18.91
27	July 02, 2020 12:35 PM	V0607, Bryan Bunauh KUV	Fuel level mismatch	BRYAN BURAVAH	Regular	$55.46	28.31	23.81	0.02
28	July 02, 2020 12:10 PM	V0548, Brent Harmon	Fuel level mismatch	BRENT HARMON	Regular	$67.85	32.4	26.01	0.04
29	July 02, 2020 10:48 AM	V1122, Juan Mejia	Fuel level mismatch	MANUELITO KOTCH	Regular	$58.78	27.22	0.03	0.01
30	July 02, 2020 10:48 AM	V1122, Juan Mejia	Fuel level mismatch	MANUELITO KOTCH	Diesel	$10.92	4.36	0.04	0.01
31	July 02, 2020 10:32 AM	V0960, Roger Burcham	Fuel level mismatch	RAFAEL ESTRADA	Regular	$24.71	11.944	8.33	0.01
32	July 02, 2020 10:19 AM	V0999, Marcos Mejia	Fuel level mismatch	MARCOS MEJIA BAUTISTA	Regular	$43.04	19.66	9.46	

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Geotab Dashboard Report

Enhance Geotab fuel reports by utilizing cost from transactions we import into Geotab
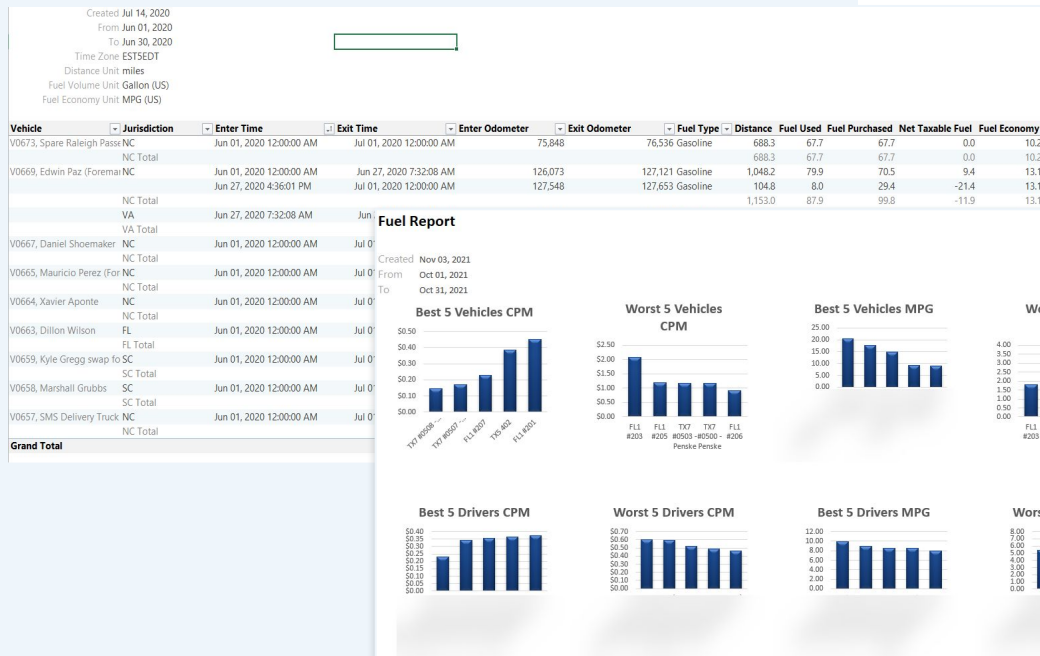
IFTA

IFTA Features

- Automatically import all transactions into Geotab
- Adds fuel purchases to the Advanced IFTA Report
- Ability to reassign or delete fuel transactions from Geotab
- IFTA Plus Integration

Base Plan Vs Pro Plan

Base	Features	Pro/Pro Plus
✘	Fuel Level Mismatch	✔
✔	Location Mismatch	✔
✔	Fuel Type Mismatch	✔
✔	Filling Time Alert	✔
✘	Filling Percent Alert	✔
✔	No Device Data Alert	✔
✔	Geotab Import	✔
✔	Advanced IFTA (without "Fuel Used")	✔
✘	Advanced IFTA	✔

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