

Fleet Genius Export

for 3rd party application support

Prova's Fleet Genius® Export enables customers to export their fleet management data collected from VHM's to any 3rd party application. This preserves the customers investment in their existing solutions.

VHM trip and diagnostic information can be exported to any 3rd party application

- **XML trip export** enables the richest automated data export from Fleet Genius to any 3rd party application ;
- **Vehicle trip records** are exportable via CSV files for upload into any 3rd party application;
- **Vehicle maintenance meter summaries** include mileage, engine running time and fuel burned;
- **DTC alert export** to register diagnostic trouble codes.



Prova Systems' Wireless VHM features and functions:

- **No cellular contracts required**
- Supports gasoline, diesel and hybrid vehicles.
- Automated meter reading (miles, gallons, operating hours, odometer, fuel used)
- Records day, date and time-of-day usage
- Monitors and reports on fuel usage and efficiency and engine idle times
- Tracks and reports engine diagnostics and DTC codes
- On-board data logger stores up to 2,000 unique trip records
- Plug & play installation
- Driver behavior monitoring
- Speed tracking
- Rapid acceleration
- Hard braking

XML EXPORT DATA FORWARDING

The most automated export method forwards trip information on to 3rd party applications as it is received and processed by the Fleet Genius servers. The data is a complete share of all VHM reported data for trips, event records, DTC reports and other data.

XML export requires the receiving application to have developed a web posting interface to accept and process the XML files. Prova offers a software developers kit (SDK) for customers who want to include XML export data into their application.

```
- <event type="EV_TRIP_RECORD" time="13:34:20" date="10/31/2014">
  <driver_id> 0000000000000000 </driver_id>
  <trip_duration units="seconds"> 404 </trip_duration>
  <idling_duration units="seconds"> 116 </idling_duration>
  <trip_distance units="miles"> 1.25284 </trip_distance>
  <moving_fuel_efficiency units="mpg"> 16.0646 </moving_fuel_efficiency>
  <idling_fuel_efficiency units="gal/hr"> 0.56443 </idling_fuel_efficiency>
  <total_fuel_efficiency units="mpg"> 13.0256 </total_fuel_efficiency>
  <total_fuel_used units="gallons"> 0.0961835 </total_fuel_used>
  <idling_fuel_used units="gallons"> 0.0181955 </idling_fuel_used>
  <maximum_speed units="mph" time="13:39:57" date="10/31/2014"> 30.4472 </maximum_speed>
  <average_speed units="mph"> 10.5738 </average_speed>
  <maximum_rpm units="RPM" time="13:39:00" date="10/31/2014"> 2387 </maximum_rpm>
  <average_rpm units="RPM"> 1349.09 </average_rpm>
  <maximum_tp units="%" time="13:39:33" date="10/31/2014"> 33.7255 </maximum_tp>
  <average_tp units="%"> 22.431 </average_tp>
  <maximum_ect units="F" time="13:40:48" date="10/31/2014"> 165.2 </maximum_ect>
  <average_ect units="F"> 103.779 </average_ect>
  <maximum_acceleration units="G" time="13:37:50" date="10/31/2014"> 0.29 </maximum_acceleration>
  <maximum_deceleration units="G" time="13:36:46" date="10/31/2014"> 0.347 </maximum_deceleration>
```

CSV REPORT EXPORT

Fleet Genius offers a CSV report export feature to enable integration of VHM collected data after it has been processed by the system. This data is formatted in a spreadsheet style for easy integration into software applications that support CSV data uploading.

No SDK is required and the csv exports can be integrated into an existing system or analyzed for other reporting purposes.

	A	B	C	D	E	F	G	H	I	J	K
1	id	date	start-end	duration	idle duration	moving_fuel	total_fuel_ef	total_fuel_us	idling_fuel_u	maximum_sp	average_spe
2											
3	124836	10/30/2014	17:03:25-17:07	0:03:41	0:00:59	17.98	15.17	0.04	0.01	32.93	10.21
4											
5	124839	10/31/2014	09:34:20-09:41	0:06:44	0:01:56	16.06	13.03	0.1	0.02	30.45	10.57
6											
7	124866	10/31/2014	12:35:50-12:37	0:01:34	0:00:10	15.29	13.64	0.02	0	32.31	12.55
8											
9	124867	10/31/2014	12:38:42-12:42	0:04:09	0:01:04	26.91	23.28	0.04	0.01	31.69	14.34
10											
11	124884	10/31/2014	13:32:15-13:36	0:04:19	0:00:21	21.54	20.97	0.04	0	30.45	12.56
12											
13	124885	10/31/2014	12:46:54-12:52	0:05:10	0:01:07	22.91	20.63	0.05	0	26.72	11.03
14											
15	124886	10/31/2014	12:55:18-12:56	0:01:17	0:00:20	16.71	13.63	0.01	0	19.88	7.9
16											

Exportable fields for each VHM equipped vehicle include:

Trip start	Moving fuel used	Max RPM	Max ECT	End fuel level
Trip duration	Idle fuel used	Max speed	Max Accel	Start battery SOC
Trip miles	Total fuel used	Avg Speed	Max Decel	End batter SOC
Idle duration	Avg. RPM	Avg ECT	Start fuel level	

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