



**SAMPLE REPORTS
in telematics service**

www.orf-monitor4.com

CATALOGUE

Version 1.0

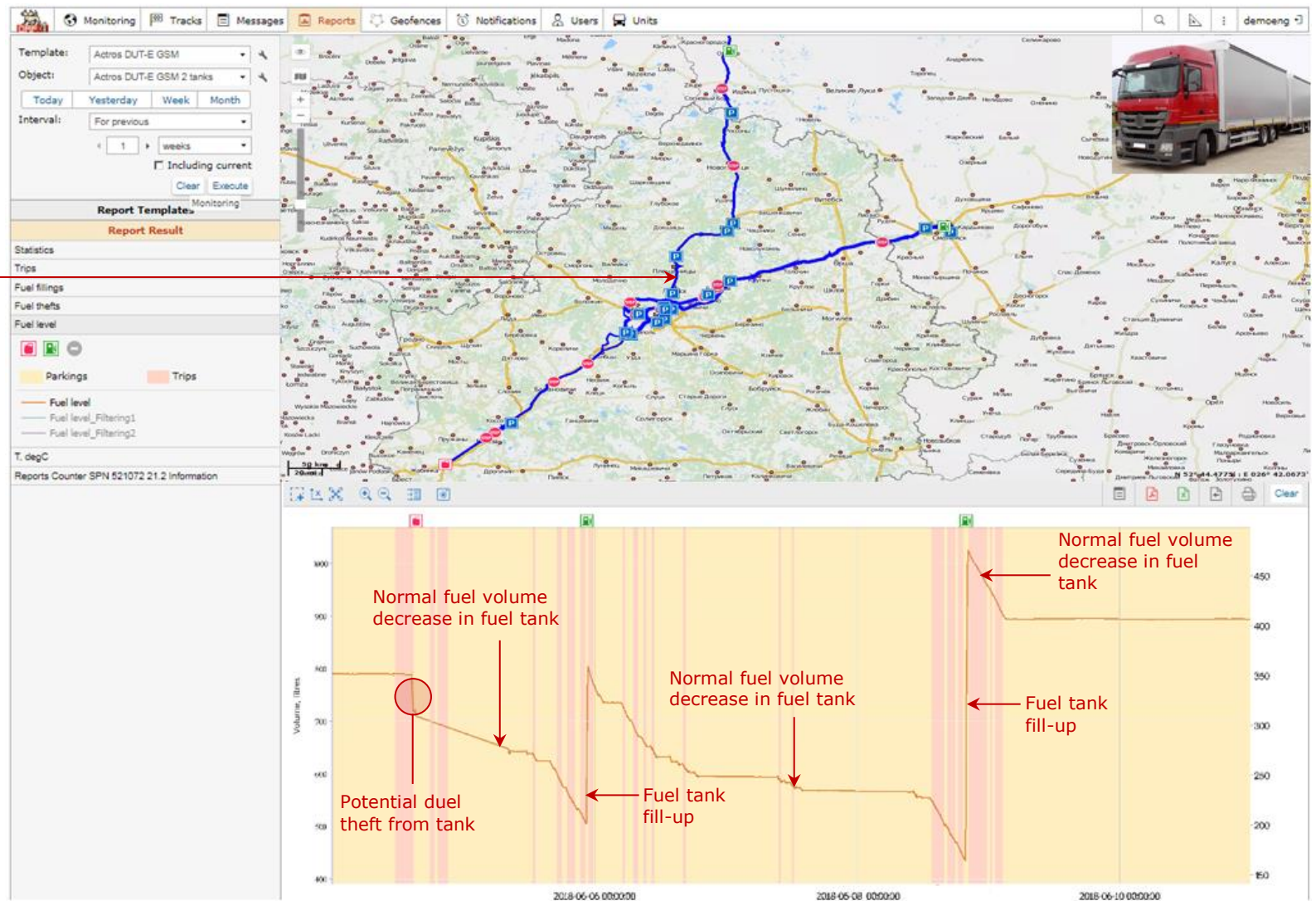


TECHNOTON





1 Sample Reports based on data from DUT-E/DUT-E 2Bio/DUT-E GSM fuel level sensors

1.1 Graphical Report on fuel volume change in vehicle's fuel tank within selected time interval

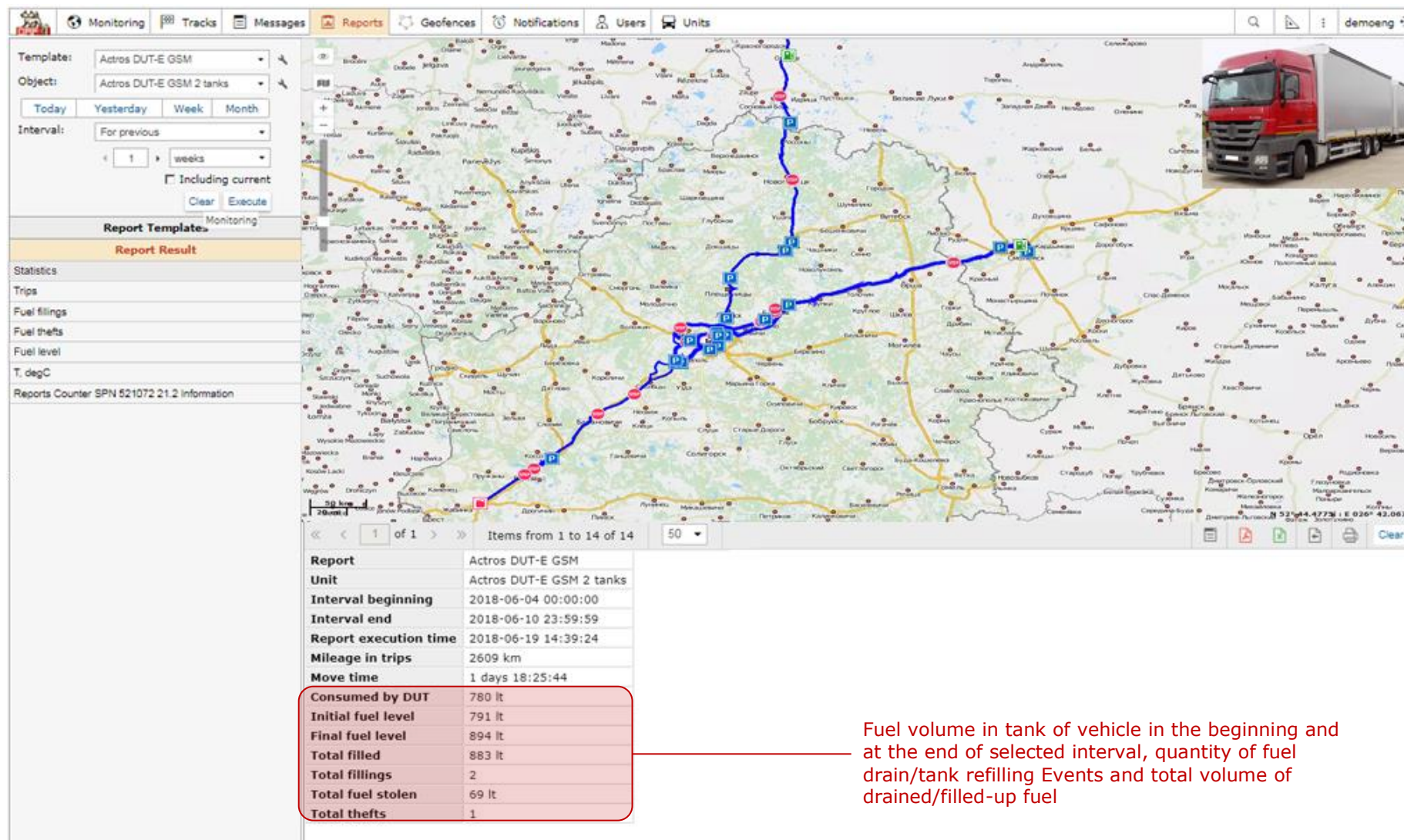
Vehicle route with symbols showing places of tank refilling/fuel draining, vehicle stops/parks



Symbols of Events:

-  Fuel drains from tank
-  Fuel tank refilling (fill-up)
-  Vehicle stops
-  Vehicle parks

1.2 Statistical table Report on fuel volume change in vehicle's fuel tank within selected time interval

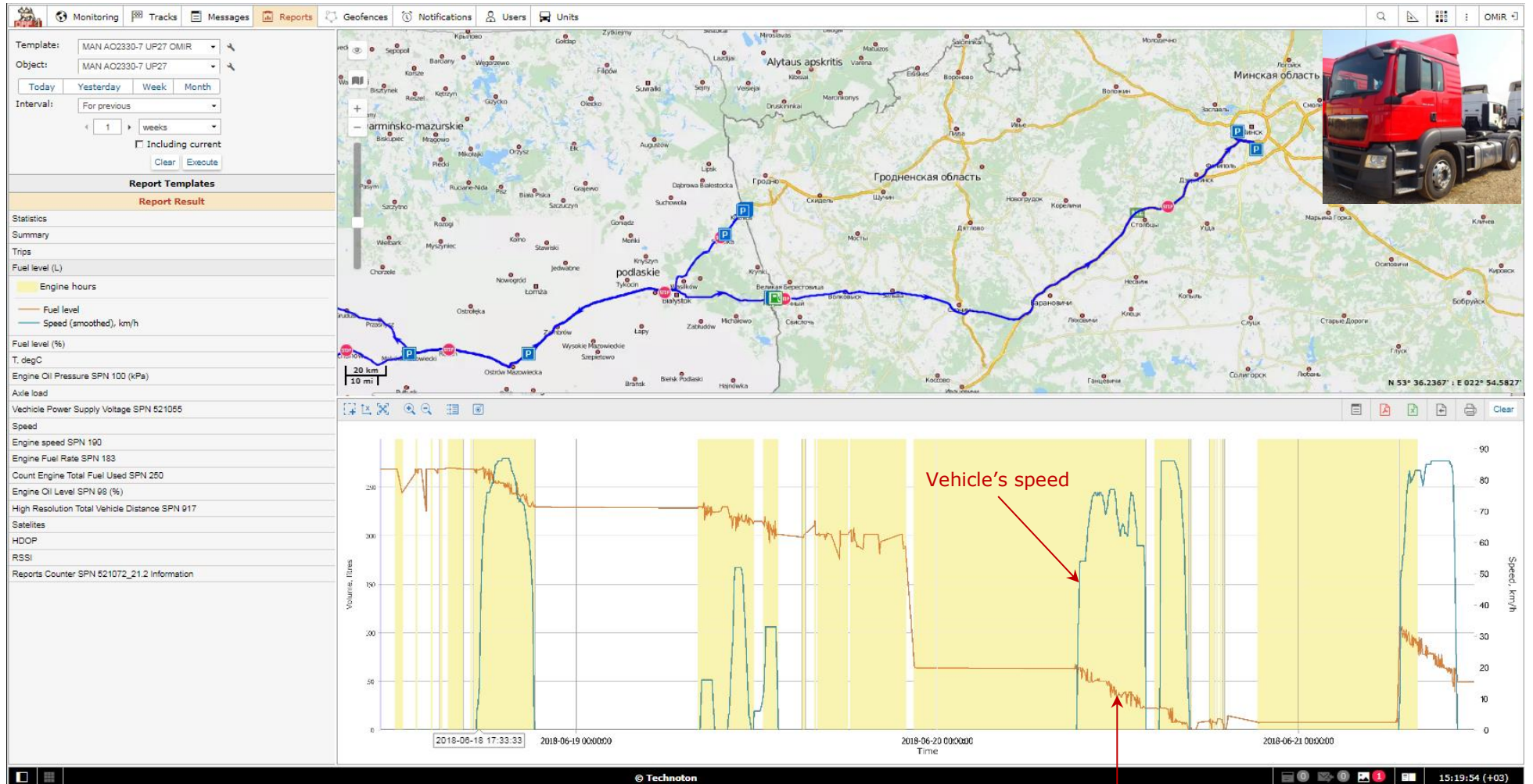


The screenshot displays a vehicle monitoring application. The top navigation bar includes options like Monitoring, Tracks, Messages, Reports, Geofences, Notifications, Users, and Units. The left sidebar shows a 'Report Result' section with a list of statistics including Trips, Fuel fillings, Fuel thefts, Fuel level, T. degC, and Reports Counter. The main area features a map with a blue route and several fuel-related icons (P, D, I). A red truck is shown in an inset image in the top right corner.

Report	Actros DUT-E GSM
Unit	Actros DUT-E GSM 2 tanks
Interval beginning	2018-06-04 00:00:00
Interval end	2018-06-10 23:59:59
Report execution time	2018-06-19 14:39:24
Mileage in trips	2609 km
Move time	1 days 18:25:44
Consumed by DUT	780 lt
Initial fuel level	791 lt
Final fuel level	894 lt
Total filled	883 lt
Total fillings	2
Total fuel stolen	69 lt
Total thefts	1

Fuel volume in tank of vehicle in the beginning and at the end of selected interval, quantity of fuel drain/tank refilling Events and total volume of drained/filled-up fuel

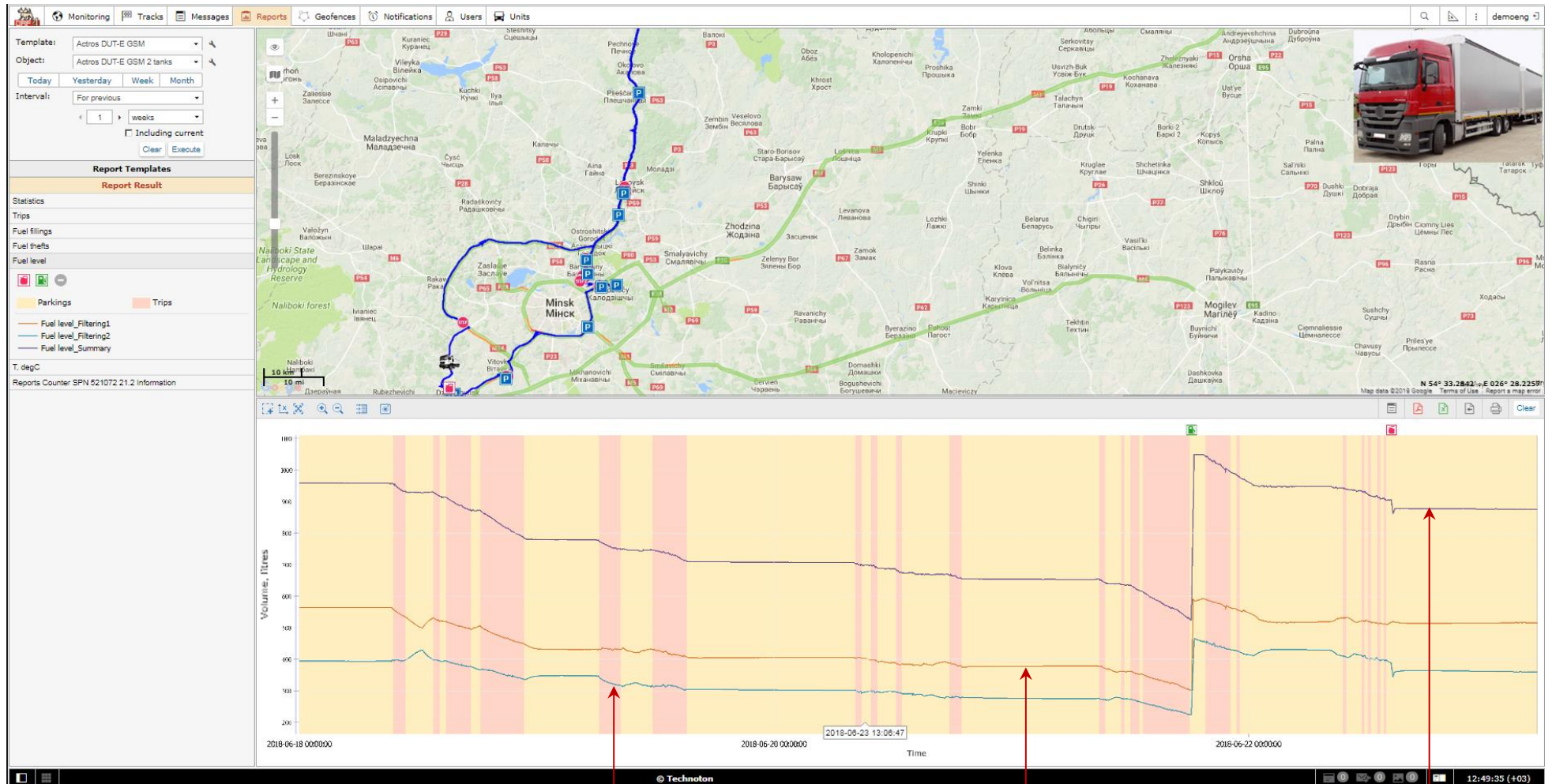
1.3 Graphical Report on volume change in fuel tank and vehicle's speed



Vehicle's speed

Fuel volume in tank of vehicle

1.4 Graphical Report on simultaneous fuel volume change in 2 fuel tanks of vehicle and each tank separately



Symbols of Events:



Fuel drains from tank



Fuel tank refilling (fill-up)

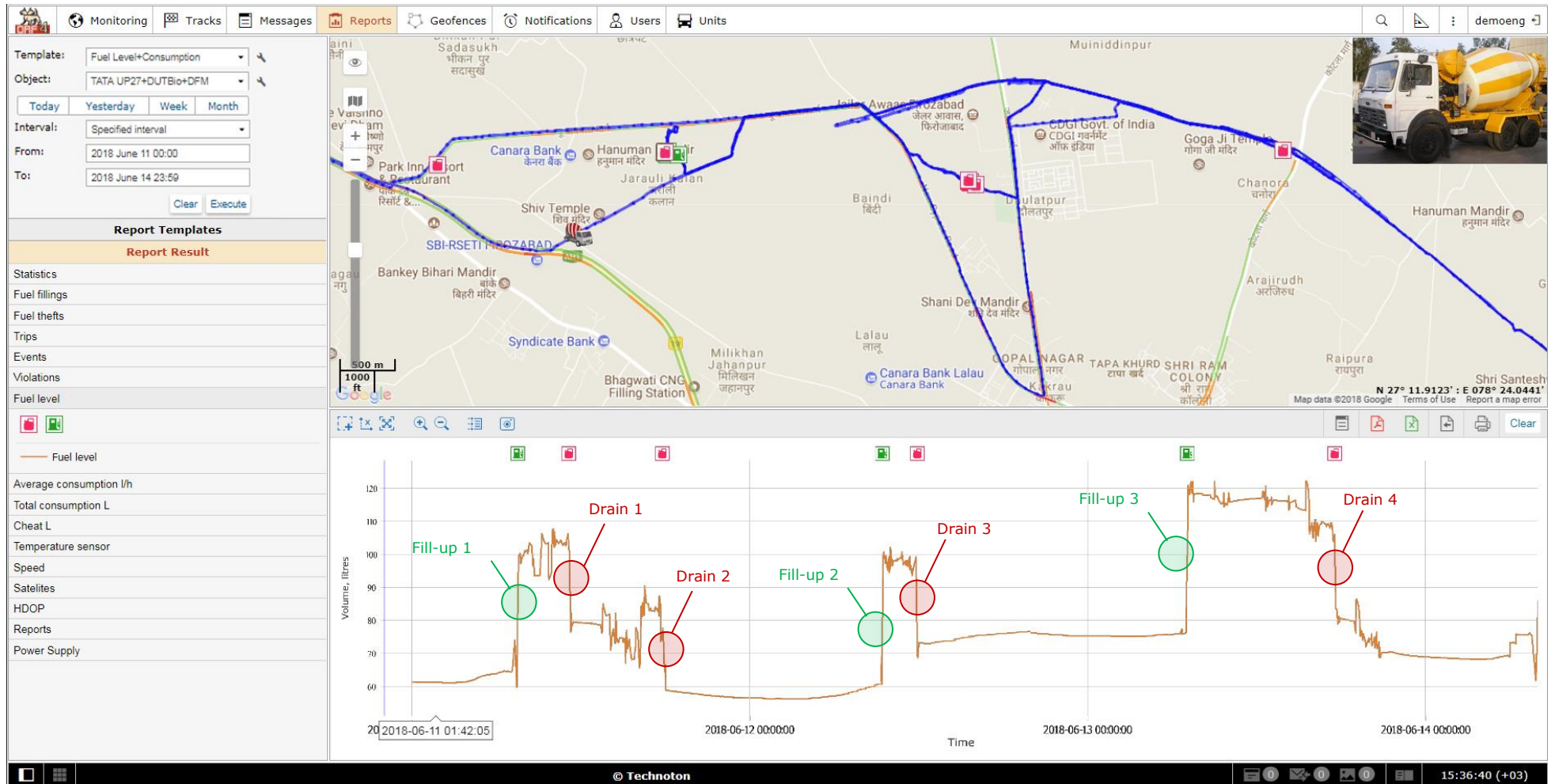
Fuel volume change in 2nd tank of vehicle

Fuel volume change in 1st tank of vehicle



Total fuel volume change (both tanks) of vehicle

1.5 Analysis of Report for vehicle, where continuous fuel drain Events are detected (potential fuel theft by driver)

1.5.1 Detecting Fuel Drain and Filling Events according to graphical Report of fuel volume change in vehicle's tank



Symbols of Events:

-  Fuel drains from tank
-  Fuel tank refilling (fill-up)

In total, within selected time interval (3 days) there were detected:
- 3 "Fill-up" Events;
- 4 "Fuel drain" Events.

1.5.2 Information on fuel drain in statistical table Report

Monitoring Tracks Messages Reports Geofences Notifications Users Units

Template: Fuel Level+Consumption
 Object: TATA UP27+DUTBio+DFM
 Interval: Specified interval
 From: 2018 June 11 00:00
 To: 2018 June 14 23:59

Report Templates
Report Result

Statistics
 Fuel fillings
 Fuel thefts
 Trips
 Events
 Violations
 Fuel level
 Average consumption l/h
 Total consumption L
 Cheat L
 Temperature sensor
 Speed
 Satellites
 HDOP
 Reports
 Power Supply

Report	Fuel Level+Consumption
Unit	TATA UP27+DUTBio+DFM
Report execution time	2018-06-28 11:17:38
Interval beginning	2018-06-11 00:00:00
Interval end	2018-06-14 23:59:59
Engine hours	13:52:16
Move time	9:40:19
Mileage in trips	145 km
Average speed in trips	15 km/h
Max speed in trips	69 km/h
Consumed by DFM	58 lt
Avg consumption by DFM l/100 km	38.96 lt/100 km
Avg consumption by DFM in l/h	3.88 lt/h
Initial fuel level	61 lt
Final fuel level	70 lt
Total filled	105 lt
Total fillings	3
Total fuel stolen	60 lt
Total thefts	4
GPRS traffic counter	339.32 MB

Quantity of Drain Events and total volume of drained fuel from tank (potential fuel theft) - detected within selected time interval of 3 days

© Technoton 16:02:41 (+03)

1.5.3 Table Report on fuel drain Events

The screenshot shows a vehicle monitoring software interface. On the left, there are navigation and filter options. The main area is a map showing a blue route with several red square markers indicating fuel drain events. Below the map is a table with the following data:

No	Sensor name	Beginning	Initial location	Time	Initial fuel level	Final fuel level	Stolen	Count
1	DUT_Bio	2018-06-11 11:09:07	National Highway 2, Firozābād, IN	2018-06-11 11:12:07	102 lt	88 lt	13.90 lt	1
2	DUT_Bio	2018-06-11 17:48:09	National Highway 2, Firozābād, IN	2018-06-11 17:49:39	79 lt	69 lt	10.60 lt	1
3	DUT_Bio	2018-06-13 17:34:55	National Highway 2, Firozābād, IN	2018-06-13 17:36:25	104 lt	83 lt	20.50 lt	1
4	DUT_Bio	2018-06-14 09:16:30	National Highway 2, Firozābād, IN	2018-06-14 09:18:00	81 lt	66 lt	15.30 lt	1

Table of detected "Drain" Events within selected time interval of 3 days. Each detected drain has info on:

- date, time and place of the Event;
- fuel volume in the beginning/at the end of the Event;
- total volume of drained fuel.

1.5.4 Table Report on Refilling (fill-up) Events

The screenshot displays a vehicle monitoring application interface. On the left, there are navigation tabs (Monitoring, Tracks, Messages, Reports, Geofences, Notifications, Users, Units) and a configuration panel for reports. The main area shows a map with a blue route and various landmarks. A table at the bottom lists detected refilling events.

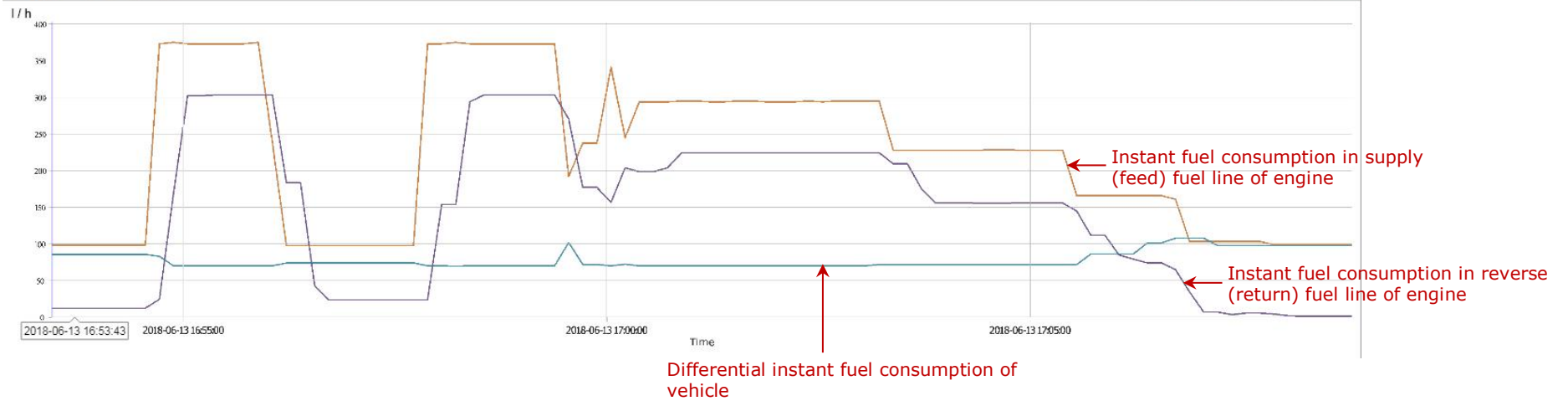
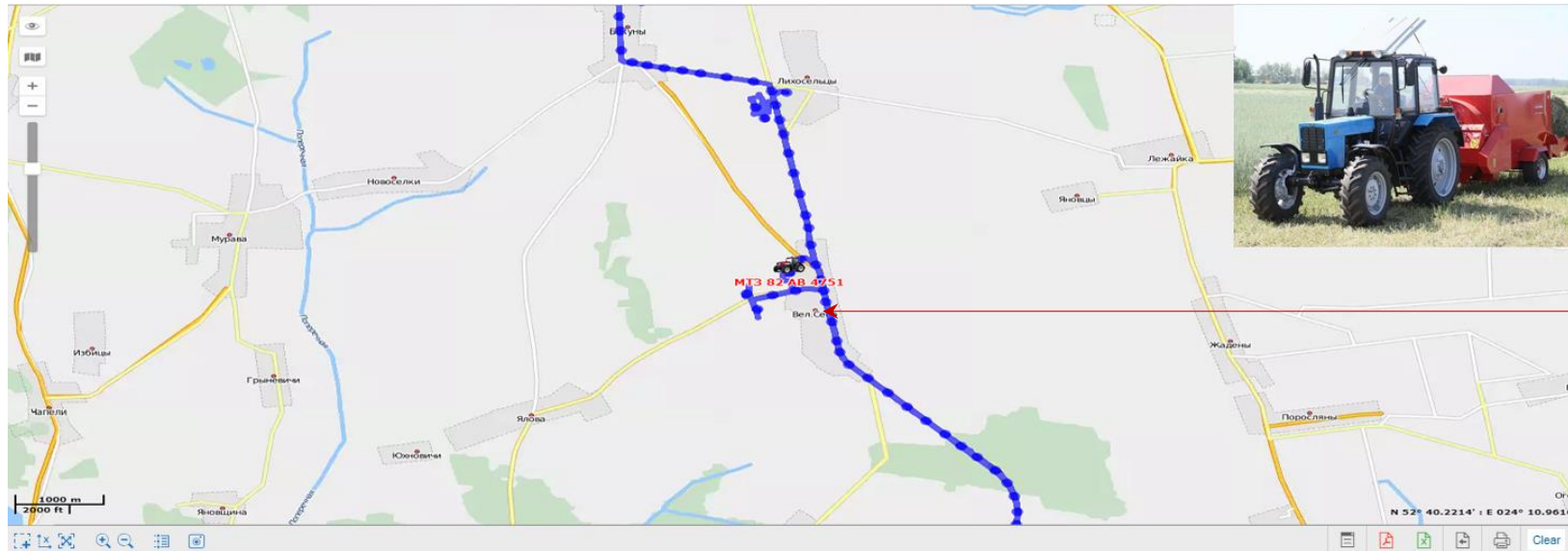
No	Sensor name	Time	Location	Initial fuel level	Final fuel level	Filled	Count
1	DUT_Bio	2018-06-11 07:32:06	National Highway 2, Firozābād, IN	64 lt	101 lt	36.50 lt	1
2	DUT_Bio	2018-06-12 09:26:44	National Highway 2, Firozābād, IN	72 lt	98 lt	26.00 lt	1
3	DUT_Bio	2018-06-13 07:06:22	National Highway 2, Firozābād, IN	76 lt	118 lt	42.30 lt	1

Table of detected "Refilling" Events within selected time interval of 3 days.
 Each detected fill-up has info on:

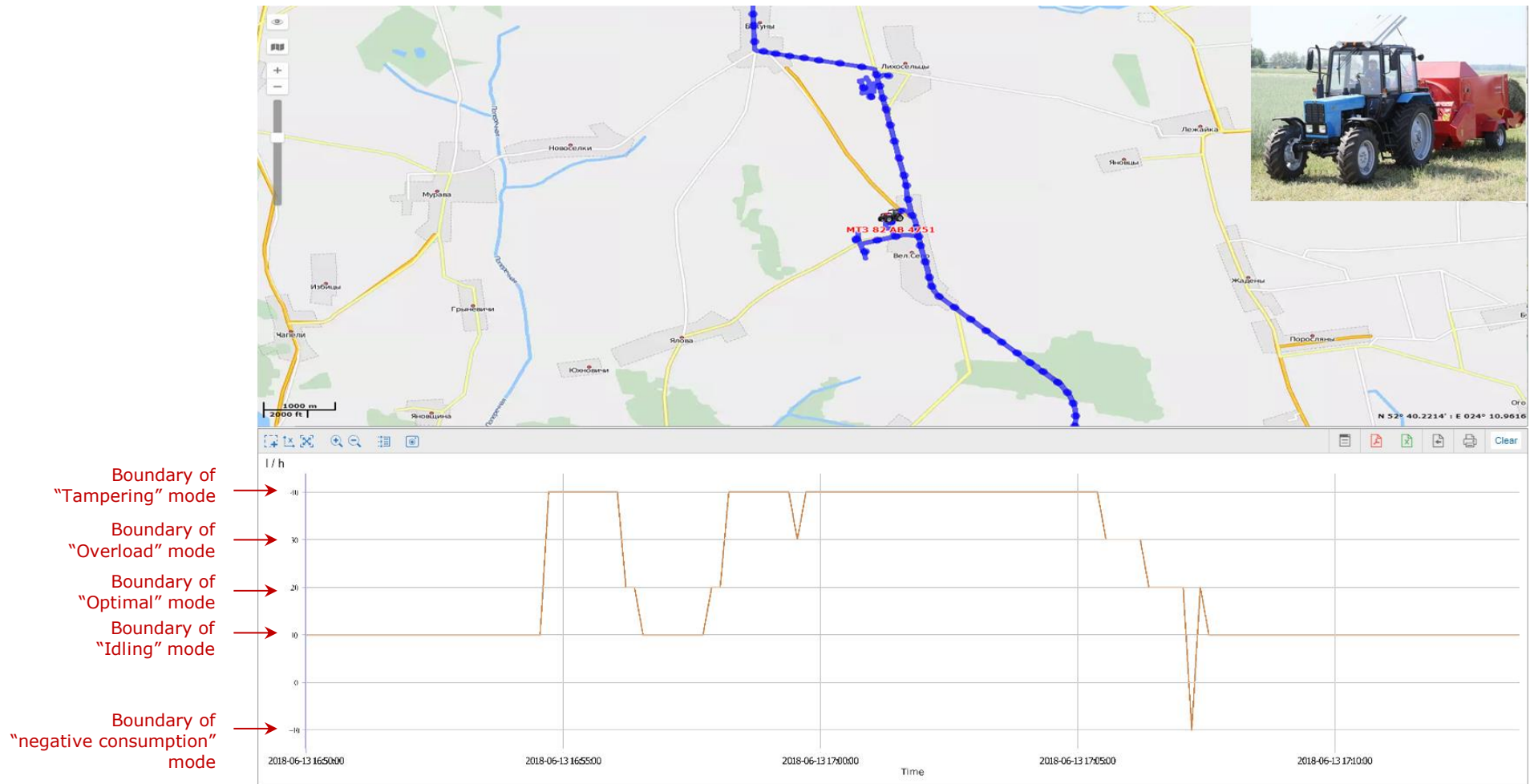
- date, time and place of the Event;
- fuel volume in the beginning/at the end of the Event;
- total volume of filled-up fuel.

2 Sample Reports based on data from DFM fuel flow meters

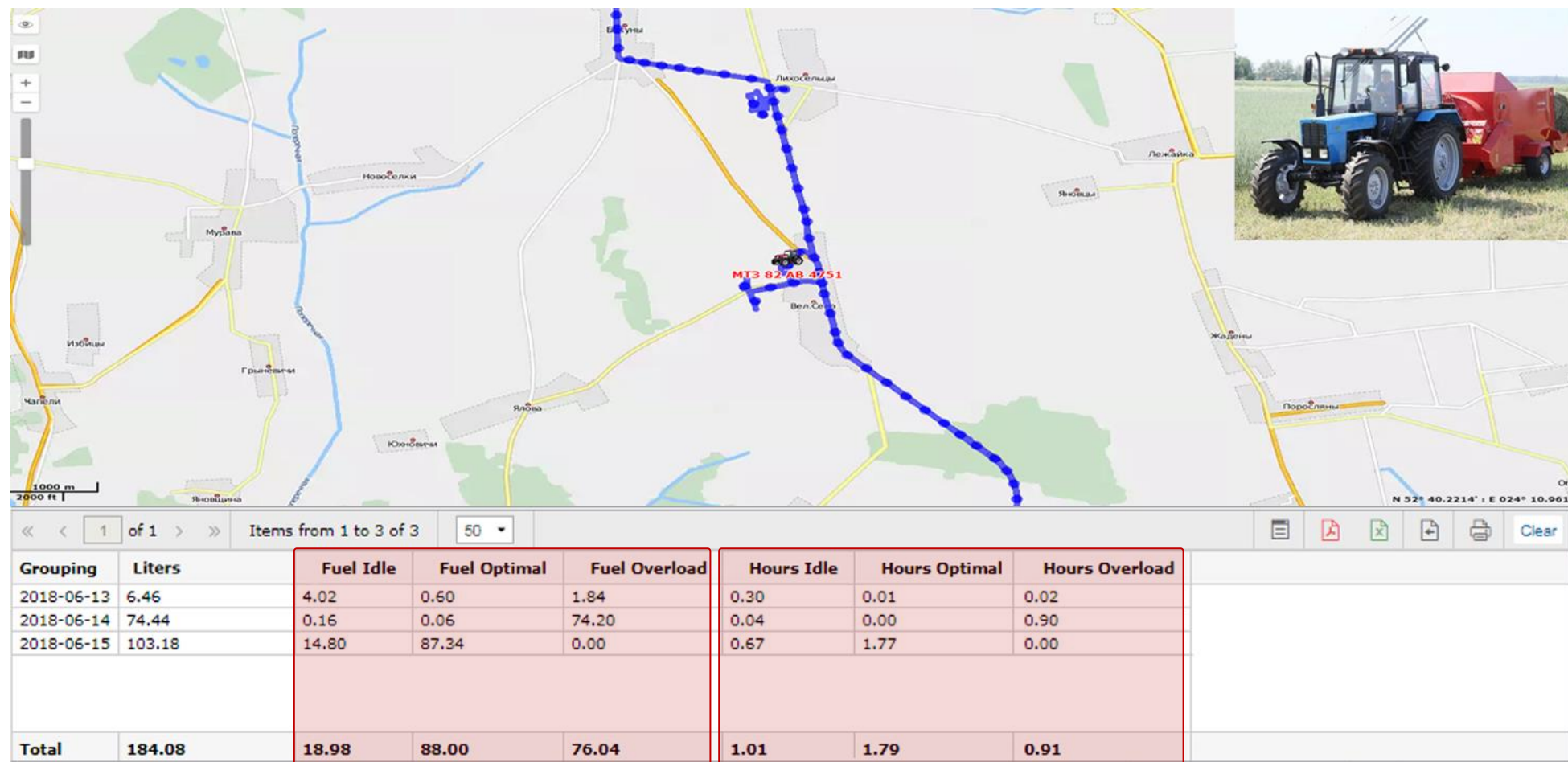
2.1 Graphical Report on change of instant (hourly) fuel consumption of vehicle within selected time interval



2.2 Graphical Report on engine operation modes (related to fuel consumption) within selected time interval



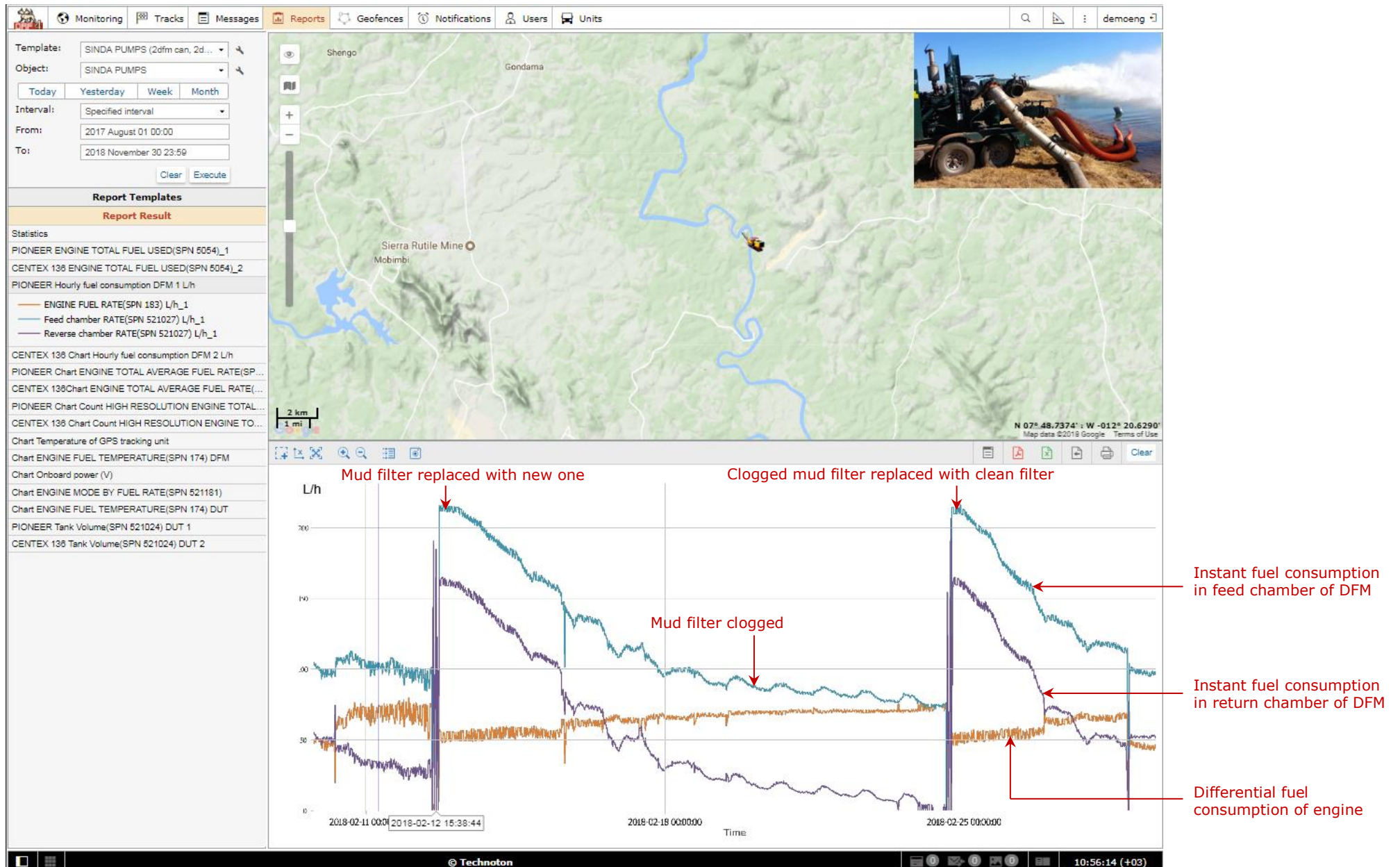
2.3 Table Report on fuel consumption and engine operation time in each mode within selected time interval



Fuel consumption for in each operation mode on engine (related to engine load) within selected time interval of 3 days

Engine operation time in each operation mode (related to engine load) within selected time interval of 3 days

2.4 Graphical Report on instant (hourly) fuel consumption of stationary object within selected time interval

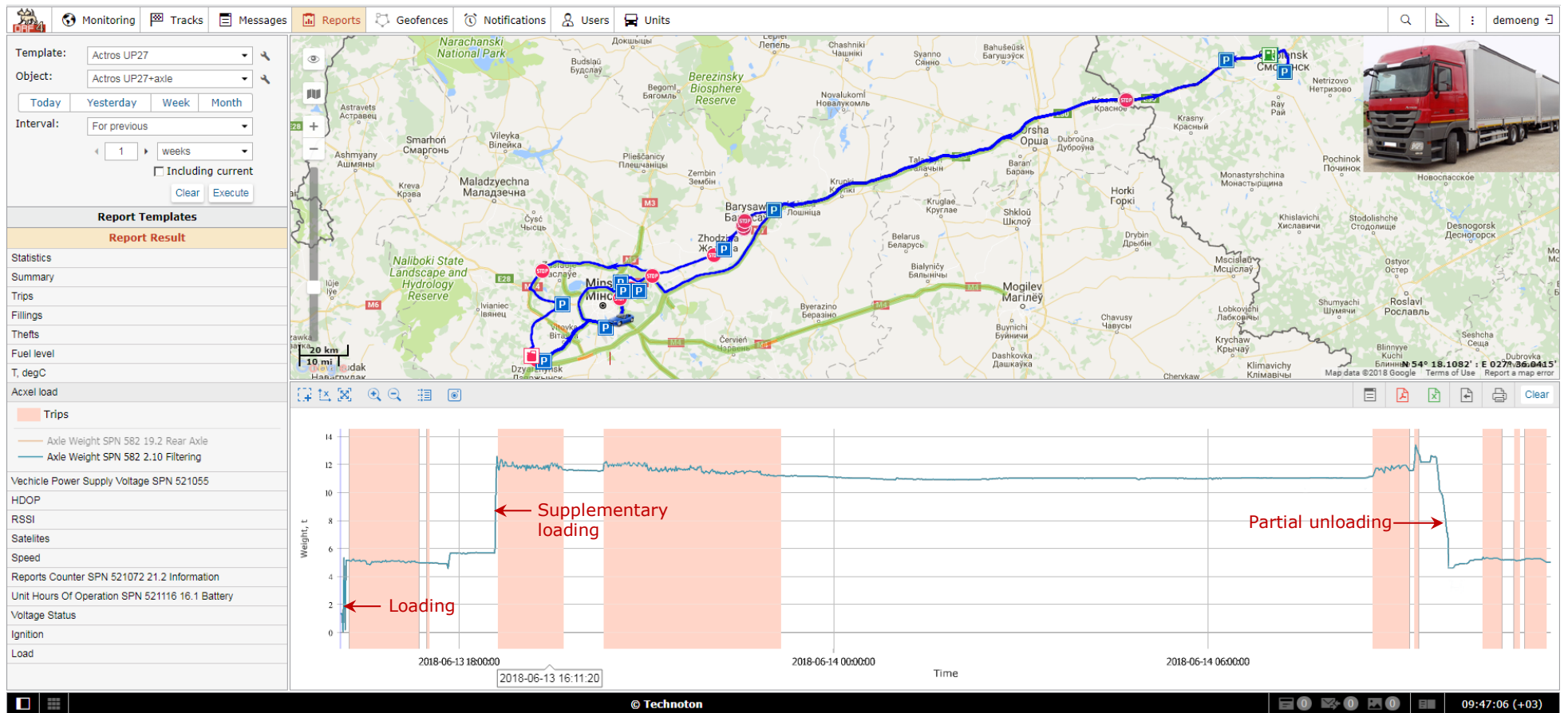


2.5 Graphical Report on instant (hourly) fuel consumption and speed of complex movable machinery within selected time interval



3 Sample Reports based on data from GNOM DP/GNOM DDE axle load sensors

3.1 Graphical Report on vehicle's axle load change within selected time interval



3.2 Information on axle load within selected time interval in table Report of vehicle's trips

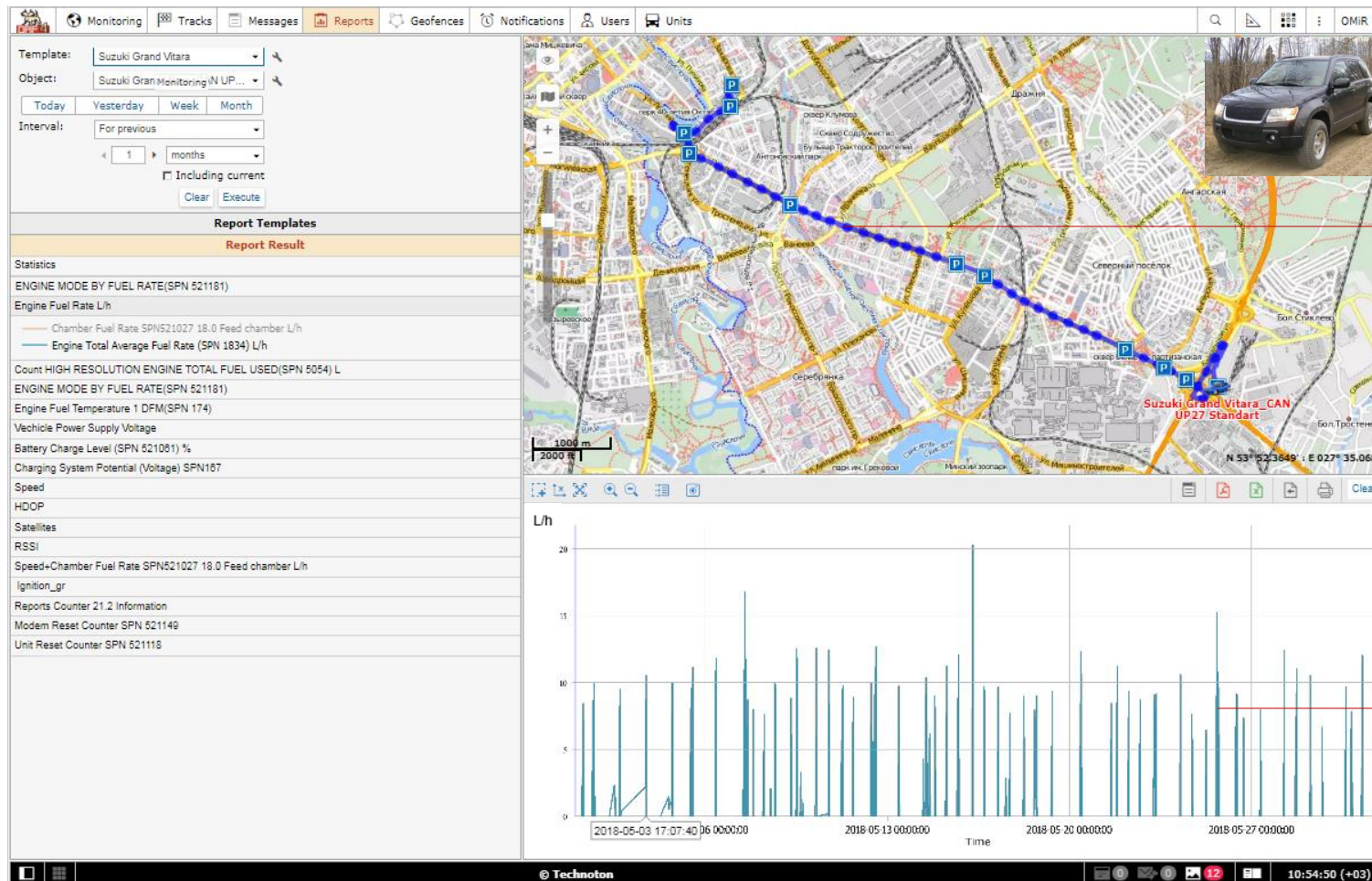
The screenshot displays a vehicle tracking application interface. At the top, there is a navigation menu with options like Monitoring, Tracks, Messages, Reports, Geofences, Notifications, Users, and Units. Below the menu is a map of Belarus with a blue route highlighted. A red truck icon is visible in the top right corner of the map area. Below the map is a table titled 'Items from 1 to 19 of 19' with columns for trip details and axle load.

Beginning	Initial location	End	Final location	Initial mileage	Final mileage	Mileage (adjusted)	Initial fuel level	Final fuel level	Consumed by DUT	Cargo weight (Axle Weight SPN 582 2.10 Filtering)
2018-06-11 08:46:04	ул. Трудовая, Дзержинск	2018-06-11 09:13:01	Р65, Minsk, BY	38658 km	38667 km	8.71 km	894 lt	890 lt	3.30 lt	17.73 t
2018-06-11 09:20:04	Р65, Minsk, BY	2018-06-11 09:27:02	Р65, Minsk, BY	38667 km	38667 km	0.43 km	890 lt	890 lt	0 lt	17.65 t
2018-06-11 10:28:04	Р65, Minsk, BY	2018-06-11 10:32:04	Р65, Minsk, BY	38667 km	38668 km	0.46 km	888 lt	890 lt	0 lt	10.01 t
2018-06-11 10:38:04	Р65, Minsk, BY	2018-06-11 11:43:02	Боровляны 21А, Боровляны	38668 km	38730 km	62 km	889 lt	872 lt	17.65 lt	10.06 t
2018-06-11 12:08:04	Боровляны 21А, Боровляны	2018-06-11 12:50:01	Склад ВМТ	38730 km	38751 km	21 km	870 lt	864 lt	5.85 lt	9.78 t
2018-06-11 12:59:04	Склад ВМТ	2018-06-11 13:22:07	ул. Уручская 21В, Минск	38751 km	38760 km	8.89 km	862 lt	860 lt	2.21 lt	6.79 t
2018-06-11 13:56:05	ул. Уручская 23А, Минск	2018-06-11 15:03:02	ул. Трудовая, Дзержинск	38760 km	38760 km	72 km	861 lt	842 lt	18.42 lt	7.06 t
2018-06-13 14:06:20	ул. Крутогорская, Дзержинск	2018-06-13 14:52:17	ул. Бабушона, Минск, BY	38833 km	38876 km	43 km	834 lt	824 lt	9.86 lt	1.39 t
2018-06-13 16:14:21	ул. Бабушона, Минск	2018-06-13 17:21:19	Р53, Minsk, BY	38876 km	38876 km	70 km	824 lt	806 lt	17.42 lt	5.08 t
2018-06-13 17:29:22	Р53, Minsk, BY	2018-06-13 17:31:19	Р53, Minsk, BY	38946 km	38946 km	0.15 km	805 lt	805 lt	0 lt	5.00 t
2018-06-13 18:38:22	Р53, Minsk, BY	2018-06-13 19:40:19	449км дороги М1/Е30	38947 km	38979 km	33 km	806 lt	792 lt	13.89 lt	11.89 t
2018-06-13 20:19:23	449км дороги М1/Е30	2018-06-13 23:08:20	Стиль	38979 km	39190 km	210 km	792 lt	731 lt	61 lt	11.66 t
2018-06-14 08:38:31	Стиль	2018-06-14 09:12:29	ул. Свердлова, Смоленск	39190 km	39226 km	36 km	728 lt	712 lt	15.66 lt	11.77 t
2018-06-14 09:18:32	ул. Свердлова, Смоленск	2018-06-14 09:21:29	ул. Ново-Московская 15, Смоленск	39226 km	39226 km	0.11 km	713 lt	713 lt	0 lt	13.40 t
2018-06-14 10:24:32	ул. Свердлова, Смоленск	2018-06-14 10:41:29	М1, Smolensk, RU	39226 km	39243 km	17.24 km	715 lt	707 lt	7.77 lt	5.30 t
2018-06-14 10:54:32	М1, Smolensk, RU	2018-06-14 10:59:29	Владимирская, Смоленская обл. Смоленский р-н Дивовское сельское поселение	39243 km	39245 km	1.17 km	708 lt	708 lt	0 lt	5.14 t
2018-06-14 11:05:32	Владимирская, Смоленская обл. Смоленский р-н Дивовское сельское поселение	2018-06-14 11:25:29	Стиль	39245 km	39264 km	19.58 km	1085 lt	1074 lt	11.20 lt	5.28 t
2018-06-14 12:51:32	Стиль	2018-06-14 17:05:39	Хатежино, Minsk, BY	39264 km	39264 km	361 km	971 lt	971 lt	99 lt	4.98 t
2018-06-14 17:33:42	Хатежино, Minsk, BY	2018-06-14 18:10:40	ул. Трудовая, Дзержинск	39266 km	39659 km	33 km	969 lt	961 lt	8.41 lt	5.21 t
2018-06-11 08:46:04	ул. Трудовая, Дзержинск	2018-06-14 18:10:40	ул. Трудовая, Дзержинск	38658 km	39659 km	999 km	894 lt	961 lt	291 lt	165.16 t

Axle load of vehicle in each trip within selected time interval of 1 week

4 Sample Reports based on signals from NozzleCrocodile contactless reader

4.1 Graphical Report on change of instant (hourly) fuel consumption of gasoline (or LNG) vehicle within selected time interval



4.2 Table Report on total, trip average and hourly average LNG consumption within selected time interval

The screenshot displays a vehicle monitoring application interface. On the left, there is a sidebar with various report templates and filters. The main area shows a map with a blue route and a small image of a Suzuki Grand Vitara. Below the map is a table of report data.

Report	Suzuki Grand Vitara
Unit	Suzuki Grand Vitara_CAN UP27 Standart
Report execution time	2018-06-28 13:12:12
Interval beginning	2018-05-01 00:00:00
Interval end	2018-05-31 23:59:59
Mileage in all messages	1659 km
Average speed in trips	48 km/h
Max speed in trips	111 km/h
Consumed by Nozzle	164 lt
Avg consumption	L/100km 9.86 lt/100 km
Avg consumption	L/h 2.13 lt/h
Engine hours	1 days 20:42:58
GPRS traffic counter	112.75 MB

Values of total, trip average and hourly average consumption of LNG within selected time interval of 1 month

5 Sample of graphical Report on instant (hourly) fuel consumption change within selected time interval based on standard CAN bus data (FMS messages) gathered through FMSCrocodile contactless FMS-gateway

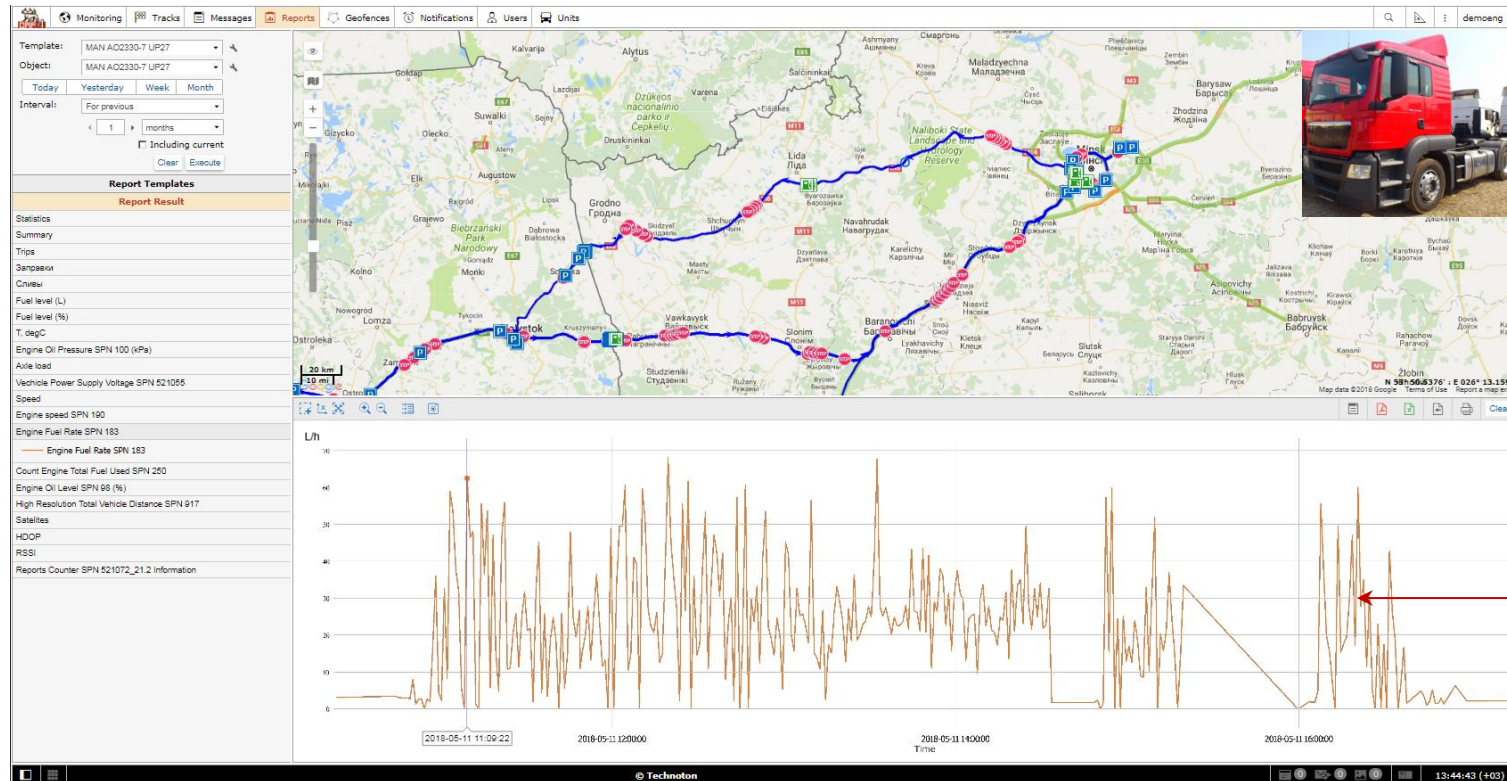


Chart of instant fuel consumption, based on data from standard CAN bus of vehicle, within selected time interval of 1 day