SAMPLE REPORTS
in telematics service

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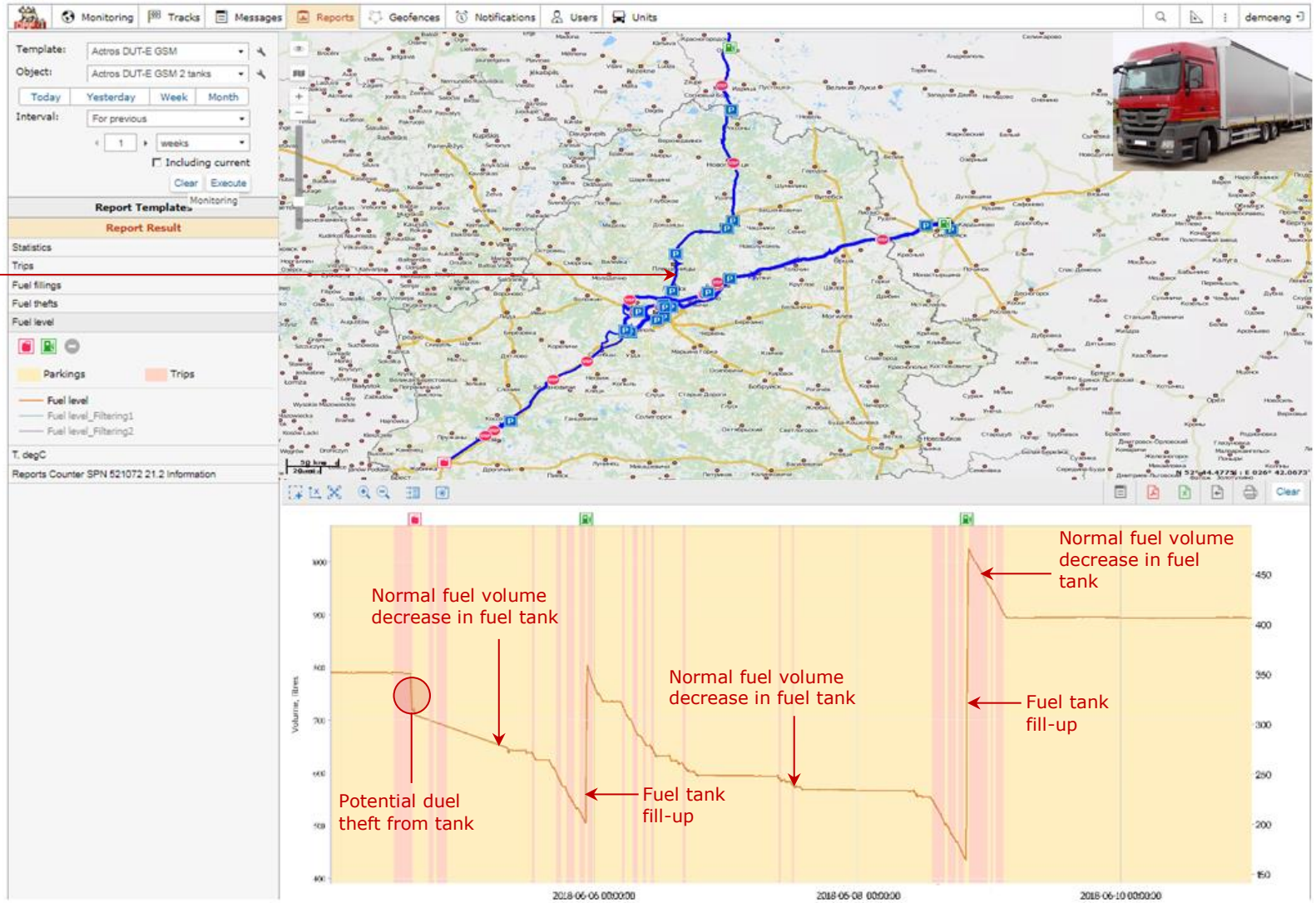
CATALOGUE

Version 1.0

TECHNOTON

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

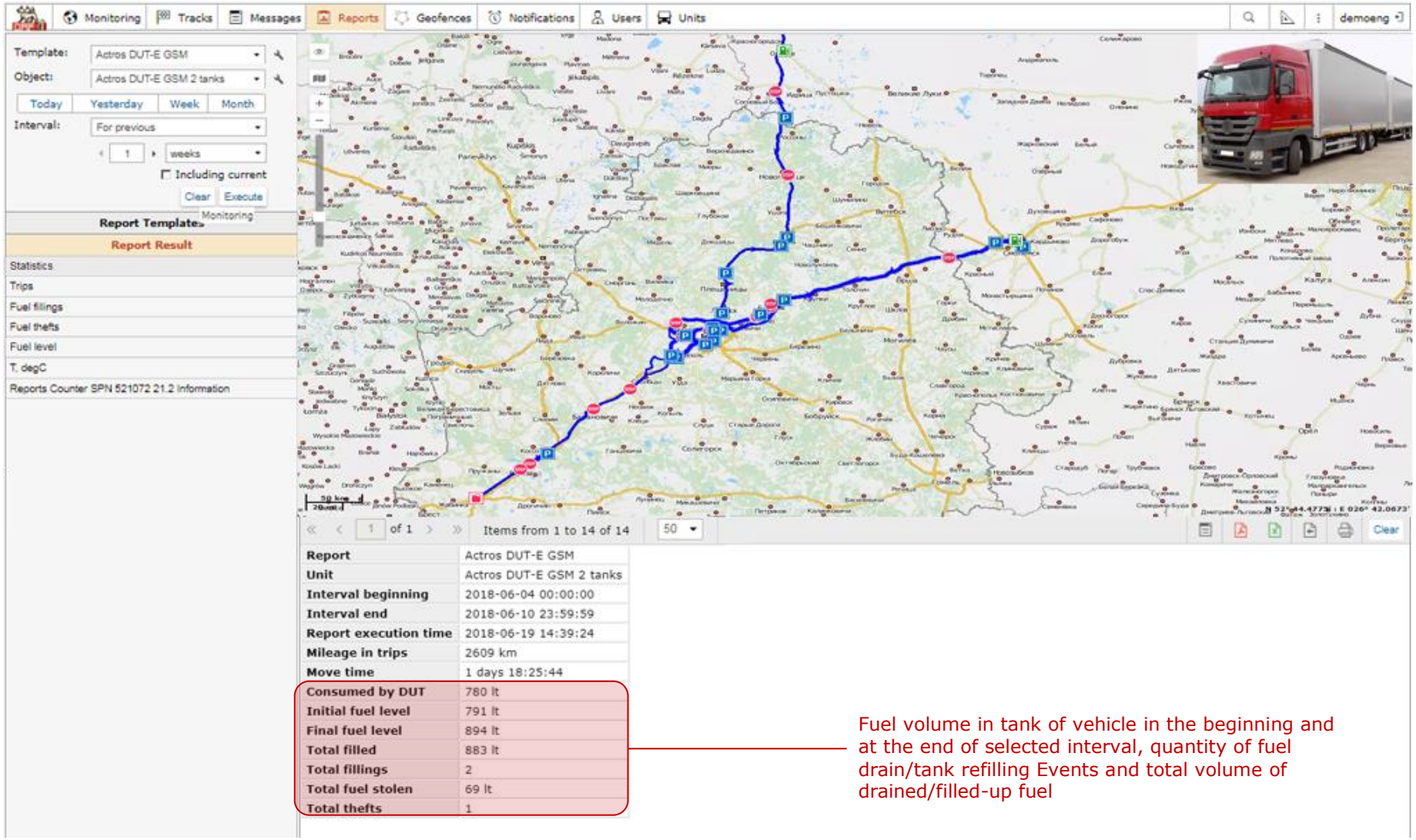
1.1 Graphical Report on fuel volume change in vehicle's fuel tank within selected time interval



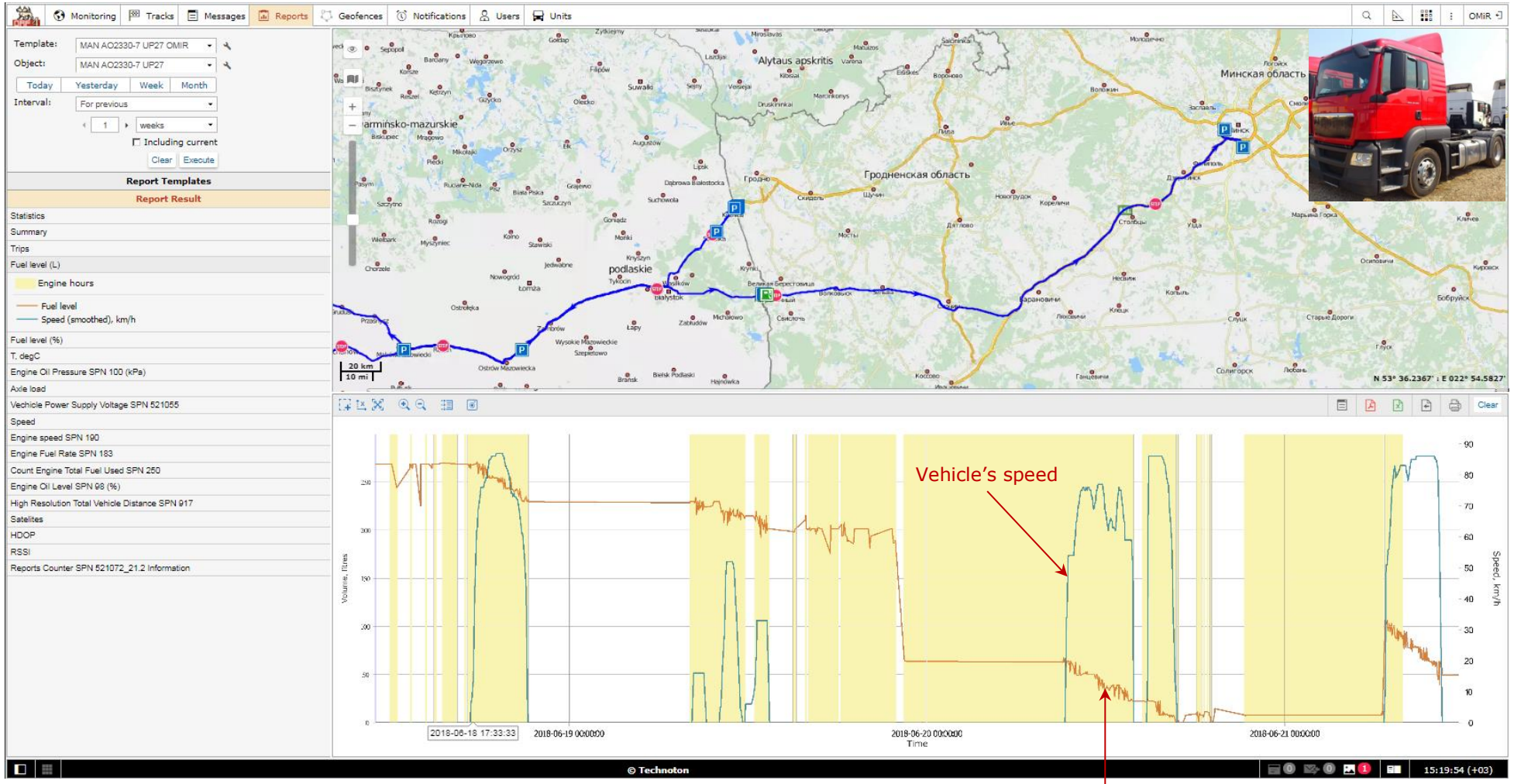
Symbols of Events:

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

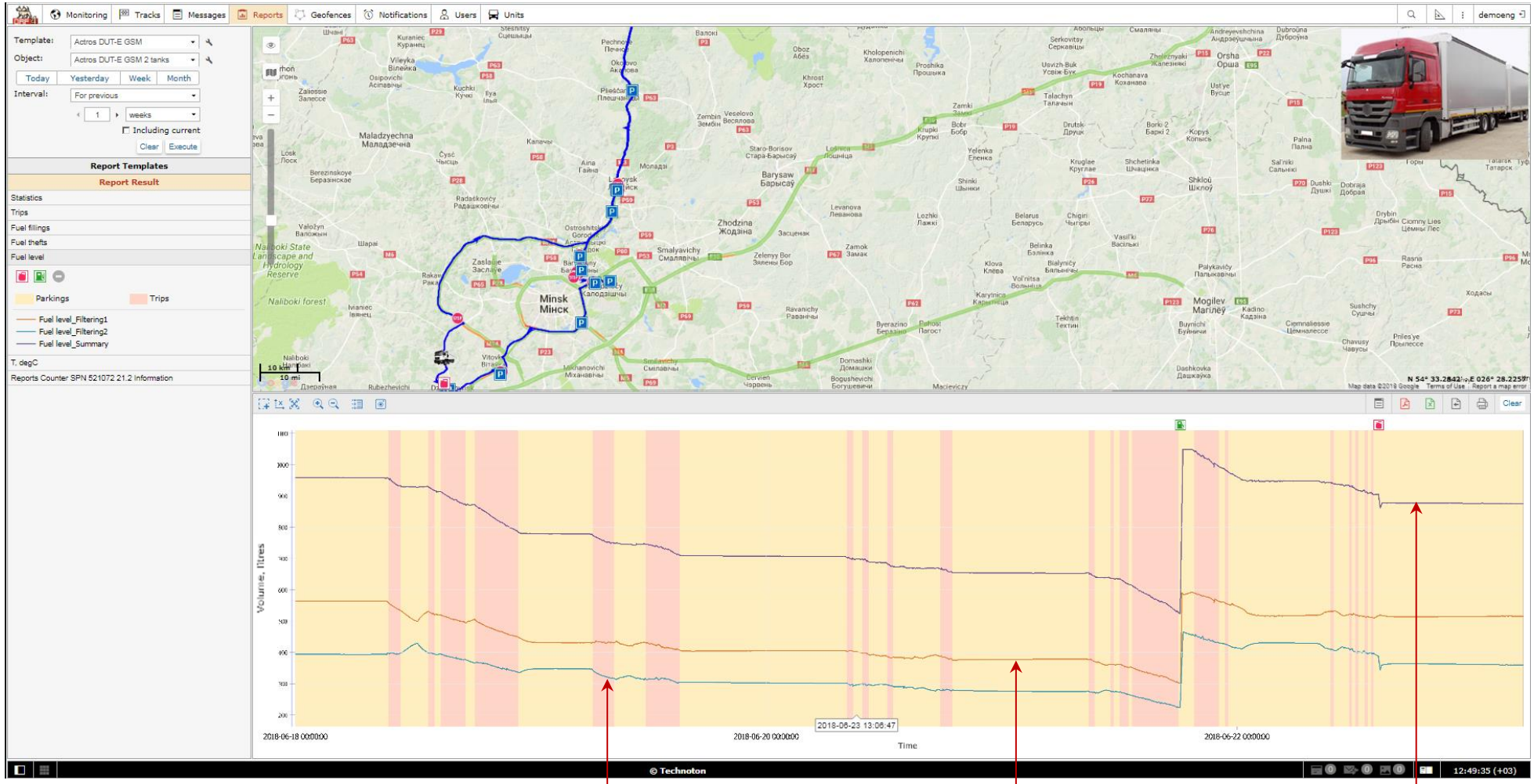
1.2 Statistical table Report on fuel volume change in vehicle's fuel tank within selected time interval



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



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)

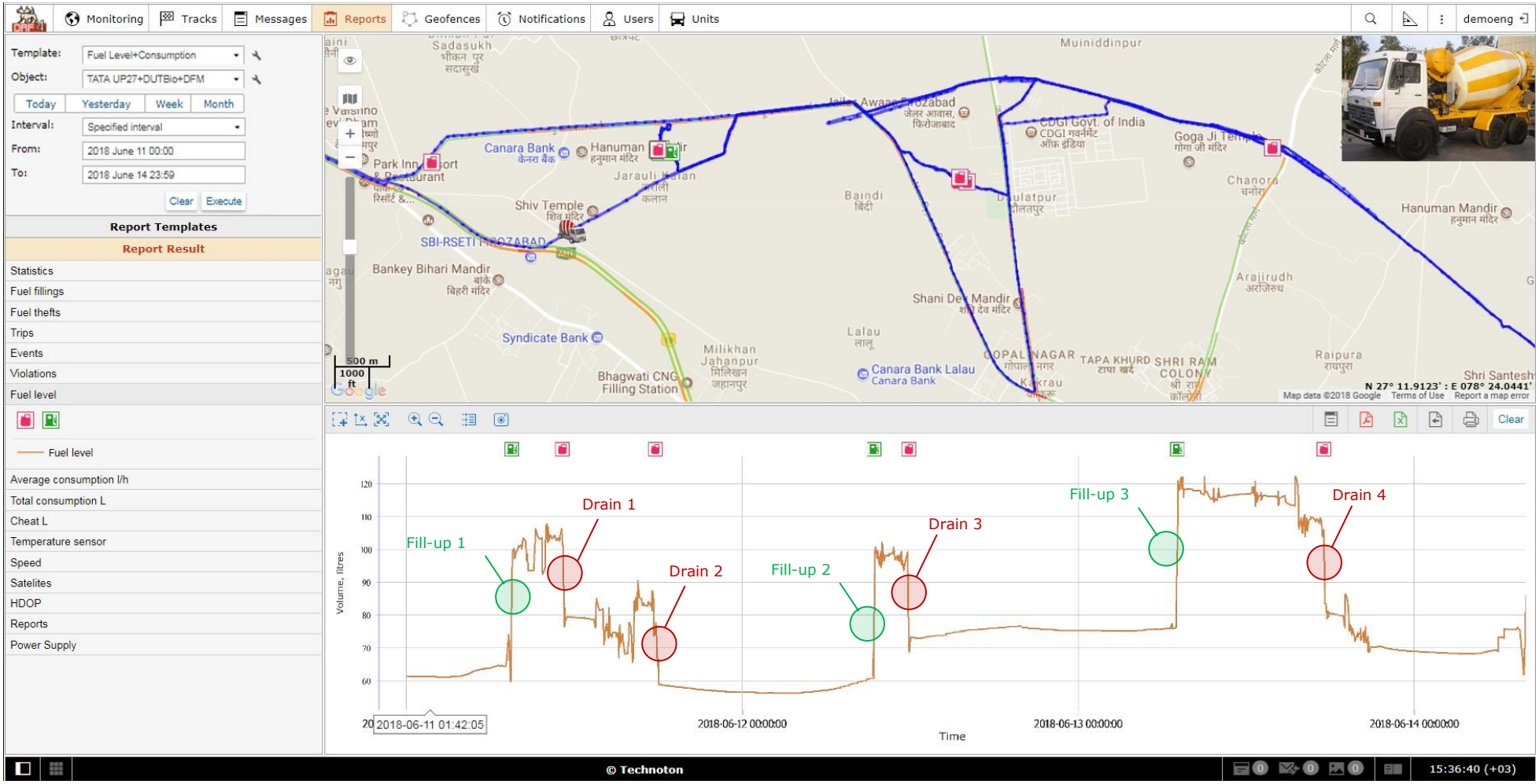
Fuel volume change in 2nd tank of vehicle

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



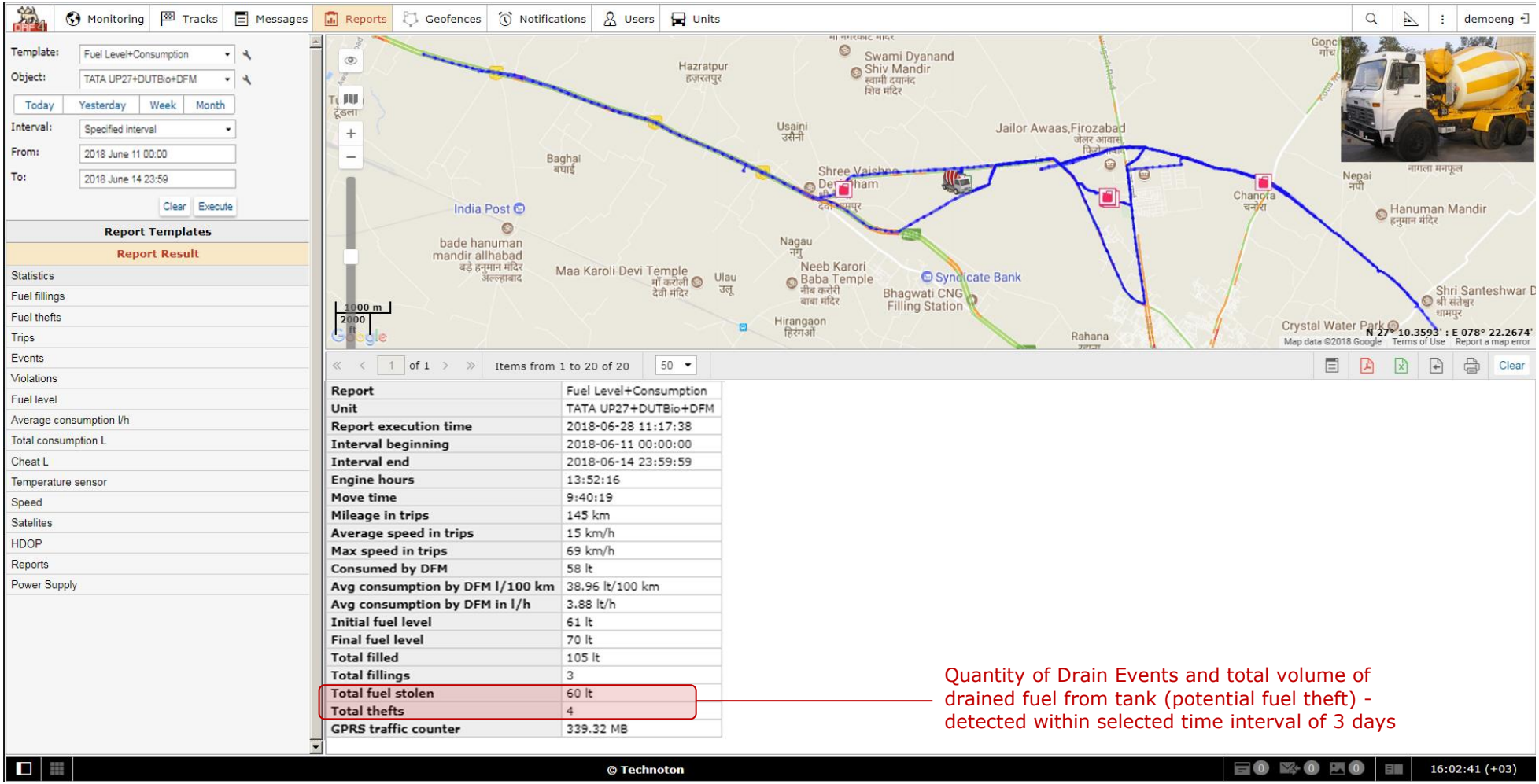
Symbols of Events:

Fuel drains from tank

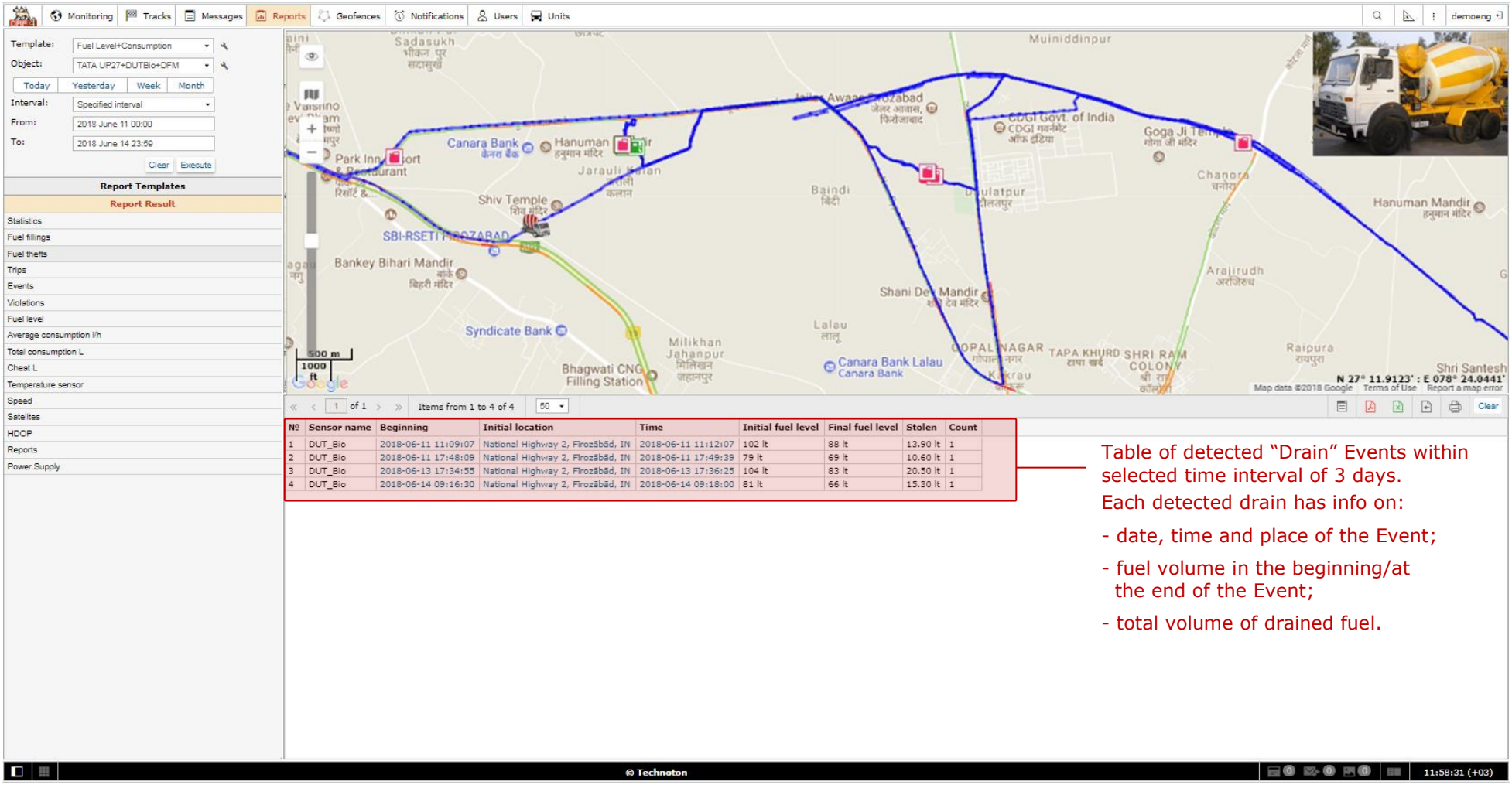
Fuel tank refilling (fill-up)

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



1.5.3 Table Report on fuel drain Events



№	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

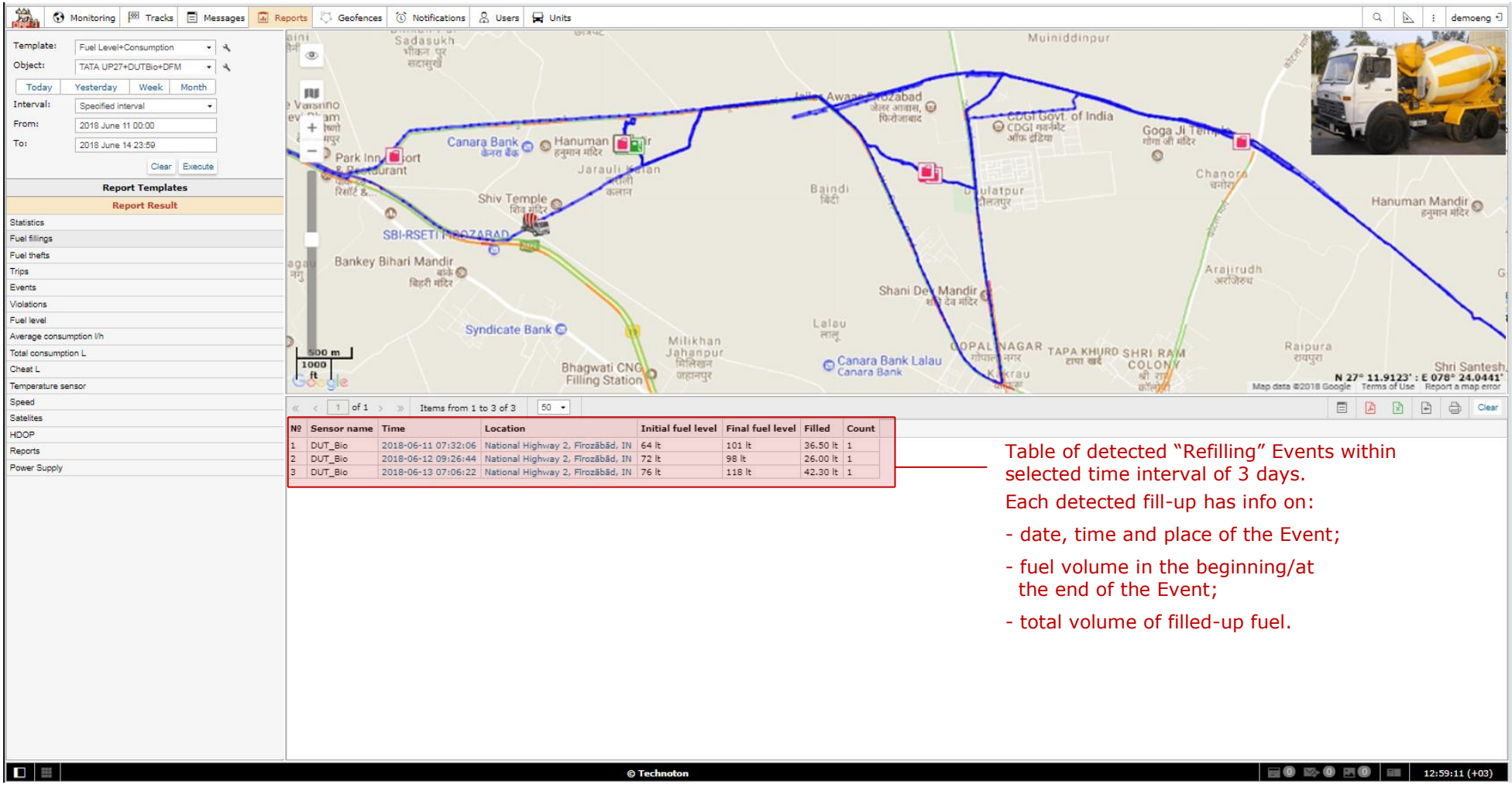


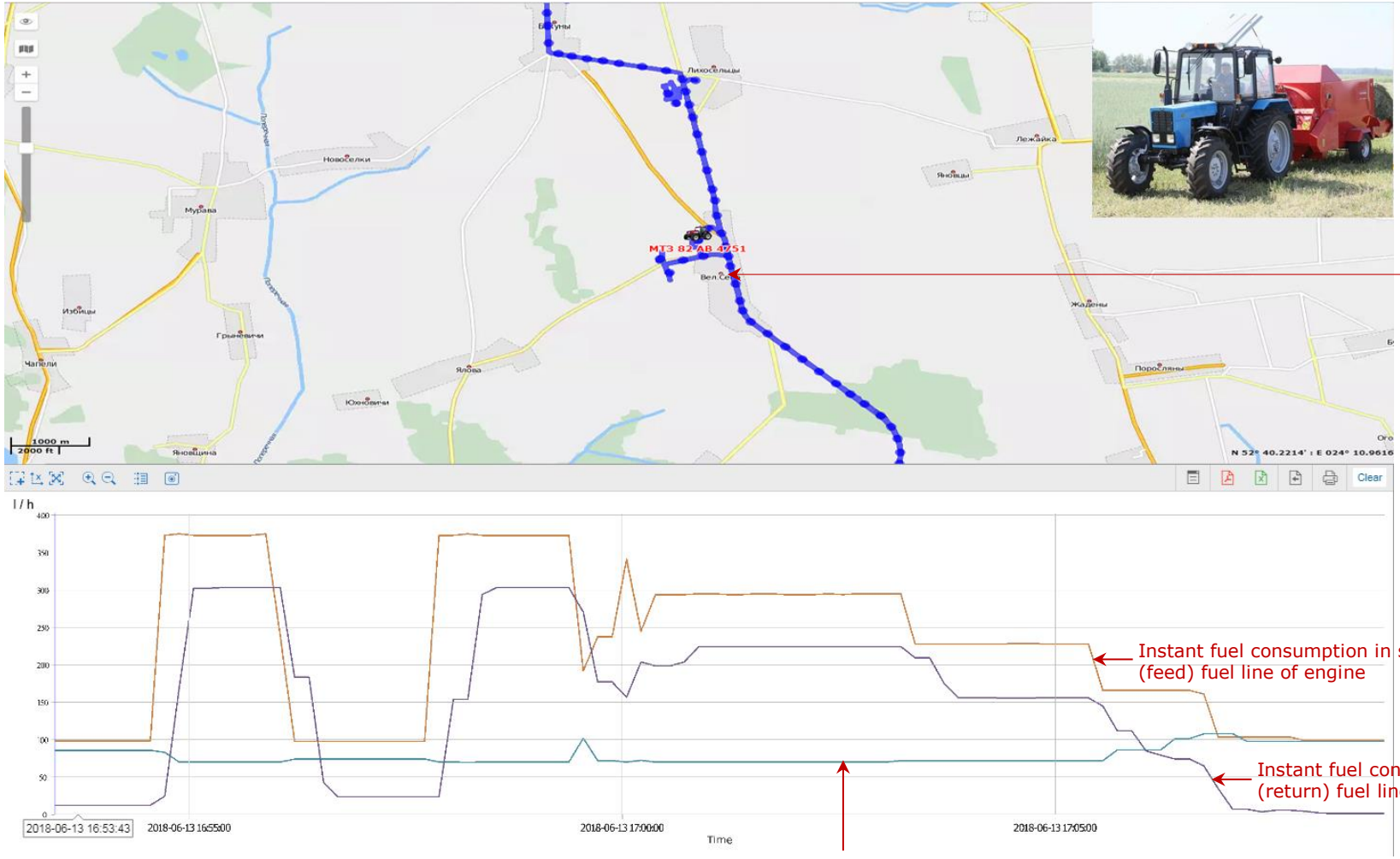
Table of detected “Refilling” Events within selected time interval of 3 days.

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



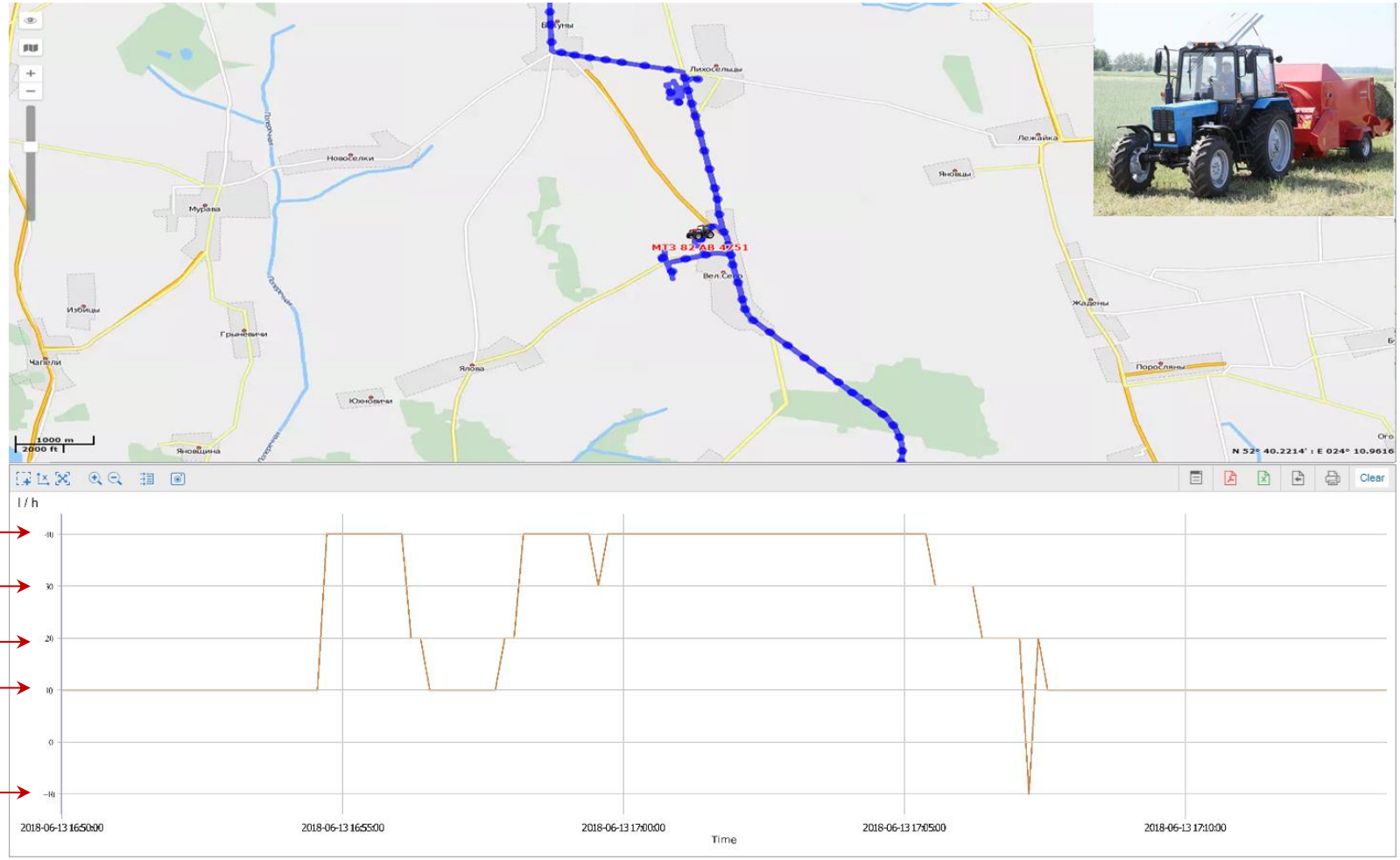
Vehicle's route

Instant fuel consumption in supply (feed) fuel line of engine

Instant fuel consumption in reverse (return) fuel line of engine

Differential instant fuel consumption of vehicle

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



Boundary of "Tampering" mode

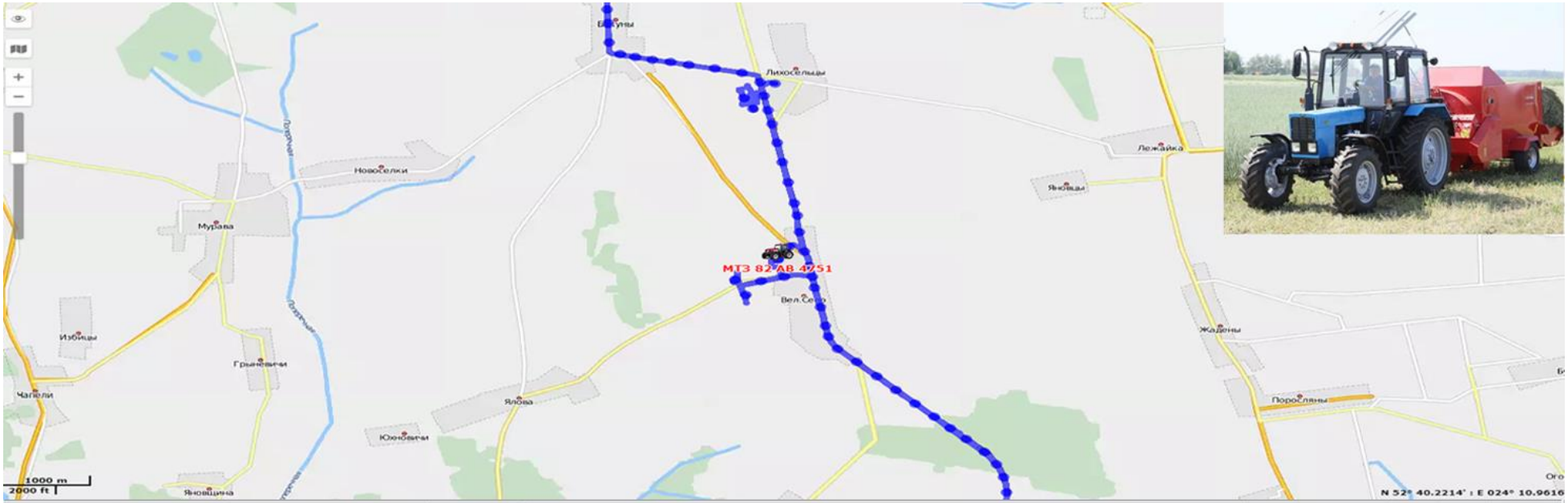
Boundary of "Overload" mode

Boundary of "Optimal" mode

Boundary of "Idling" mode

Boundary of "negative consumption" mode

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



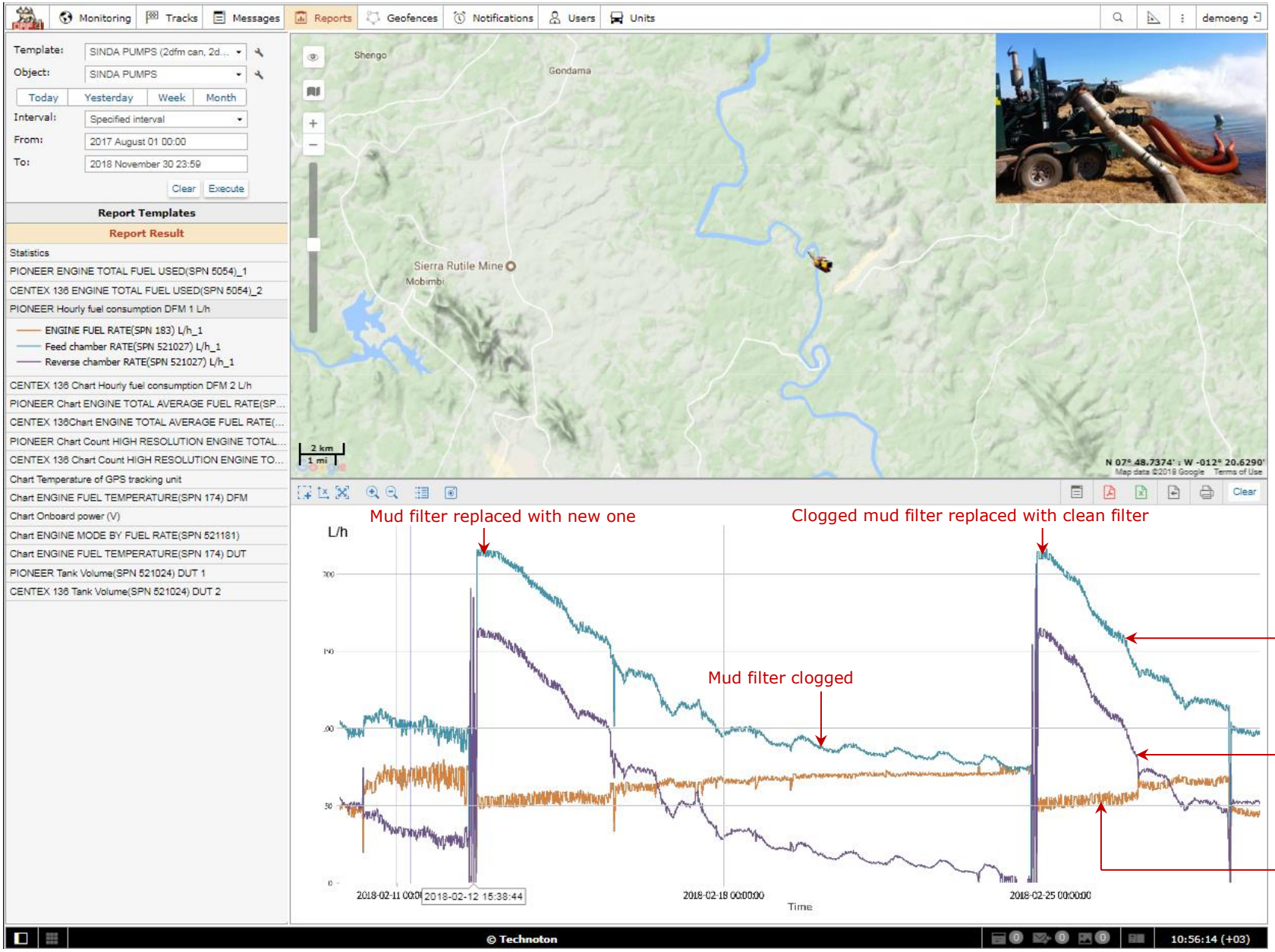
1 of 1 | Items from 1 to 3 of 3 | 50 | Clear

Grouping	Liters	Fuel Idle	Fuel Optimal	Fuel Overload	Hours Idle	Hours Optimal	Hours Overload
2018-06-13	6.46	4.02	0.60	1.84	0.30	0.01	0.02
2018-06-14	74.44	0.16	0.06	74.20	0.04	0.00	0.90
2018-06-15	103.18	14.80	87.34	0.00	0.67	1.77	0.00
Total	**184.08**	**18.98**	**88.00**	**76.04**	**1.01**	**1.79**	**0.91**

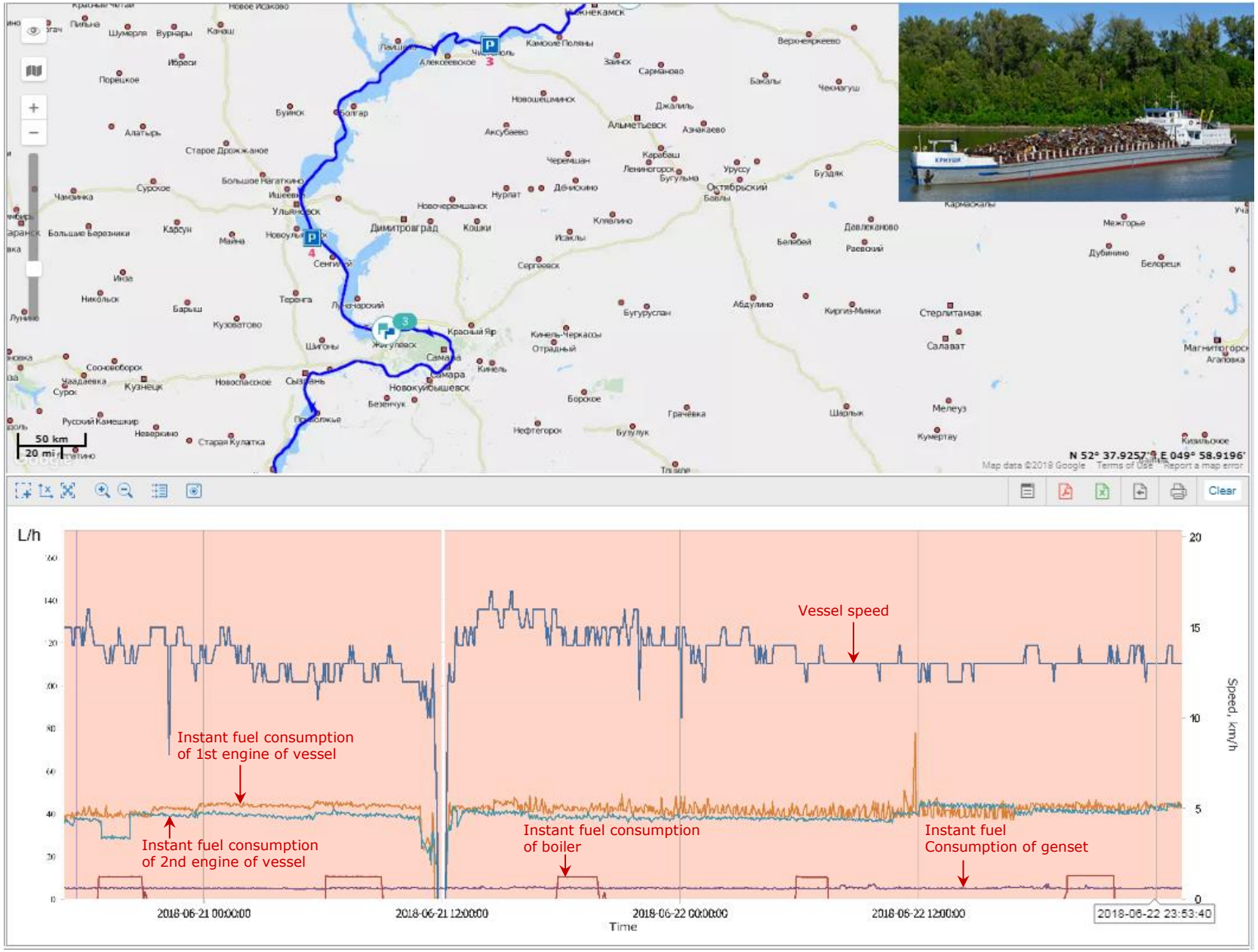
Fuel consumption for in each operation mode on engine (related to engine load) within selected time interval of 3 days

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

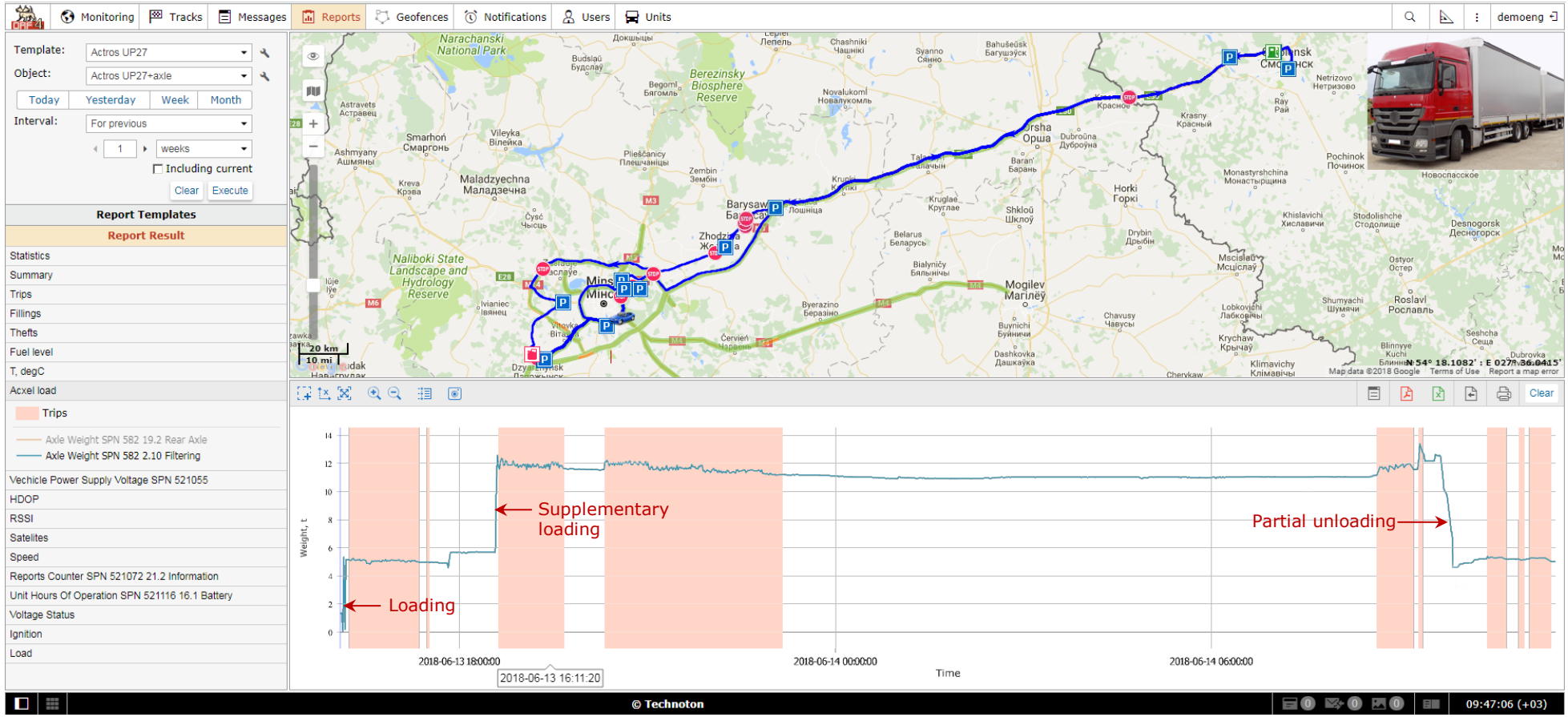


2.5 Graphical Report on instant (hourly) fuel consumption and speed of complex movable machinery within selected time interval

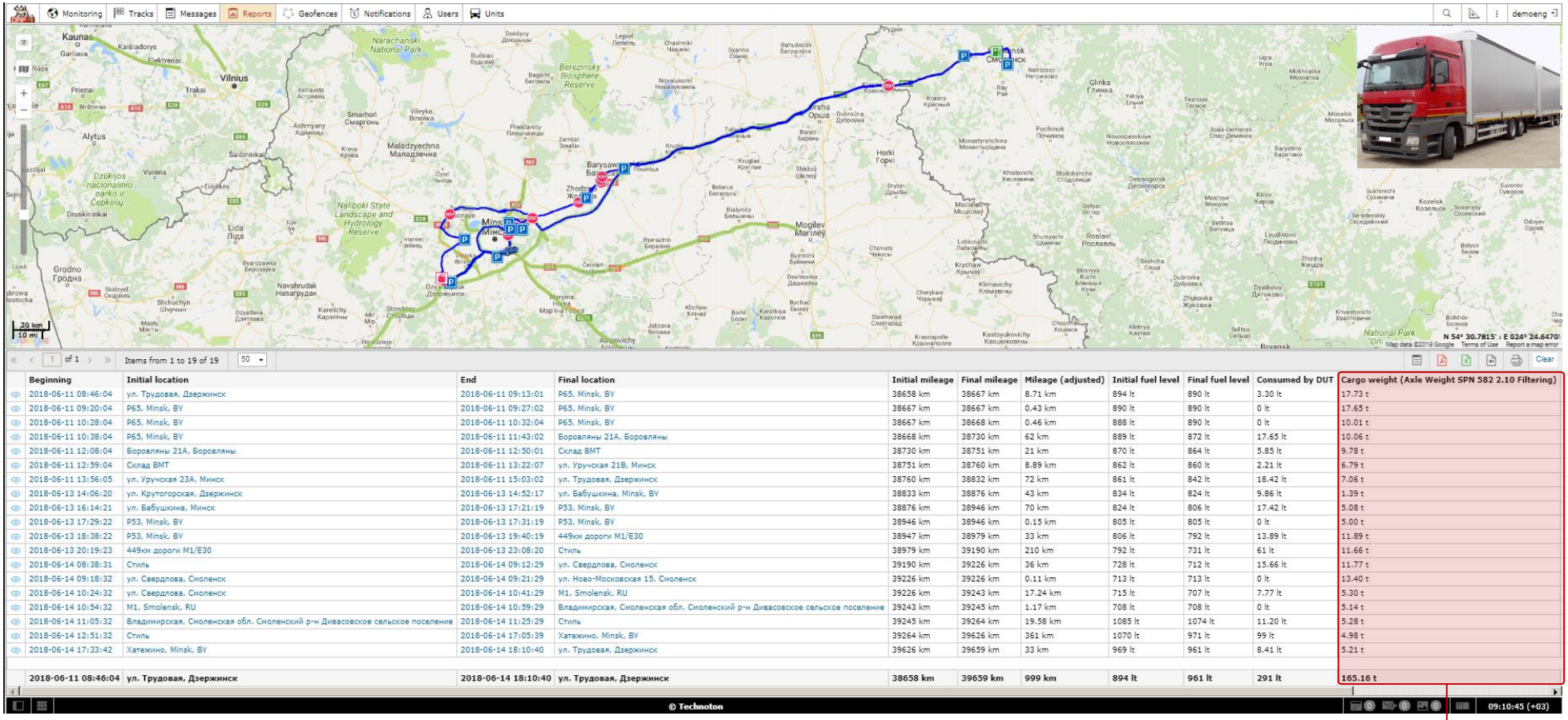


3 Sample Reports based on data from GNOM DP/GNOM DDE axle load sensors

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

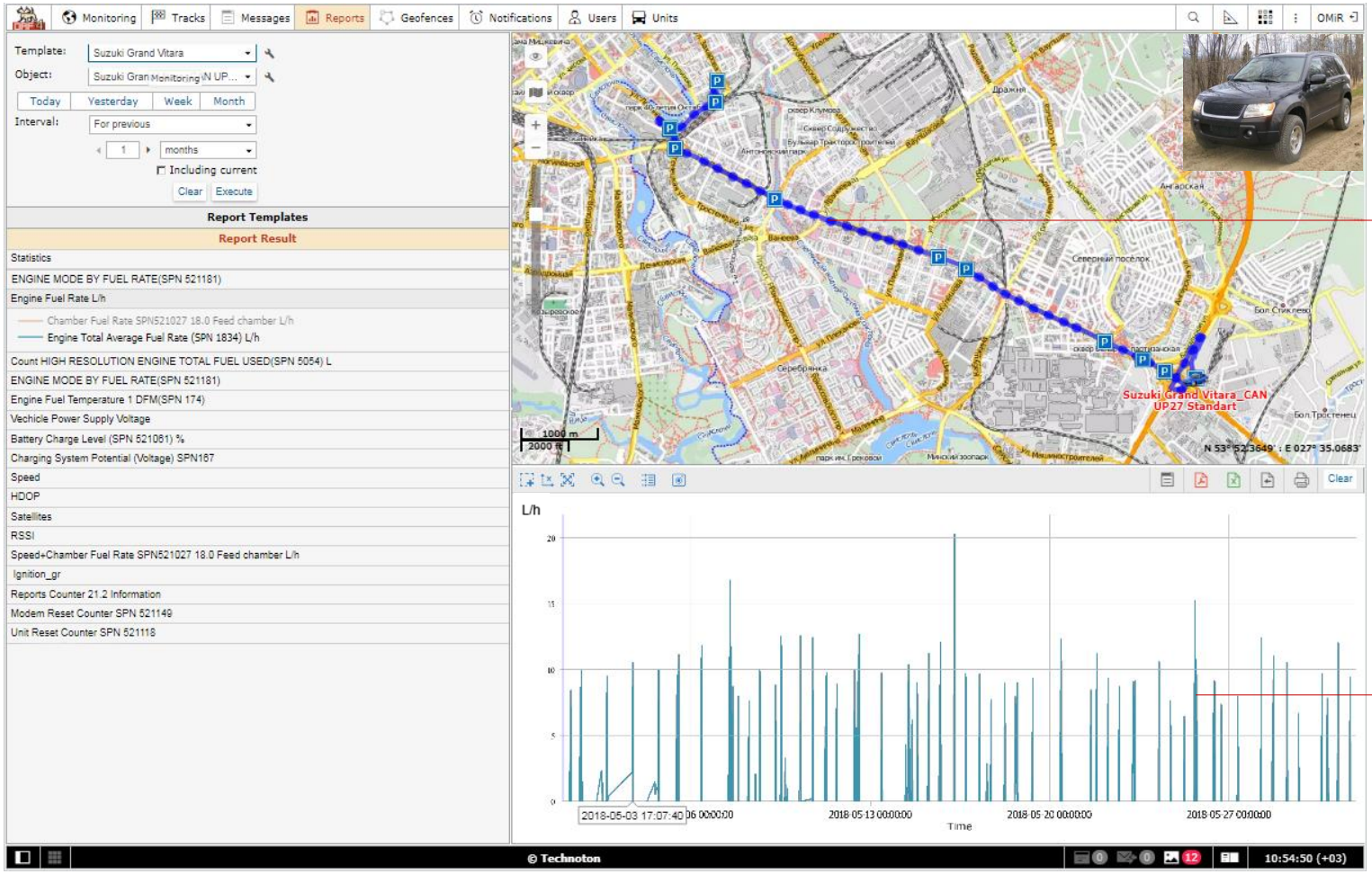


Beginning	Initial location	End	Final location	Initial mileage	Final mileage	Mileage (adjusted)	Initial fuel level	Final fuel level	Consumed by DUT	Cargo weight (Axle Weight SPN 582 2.10 Filtering)
2018-06-11 08:46:04	ул. Трудовая, Дзержинск	2018-06-11 09:13:01	P65, Minsk, BY	38658 km	38667 km	8.71 km	894 lt	890 lt	3.30 lt	17.73 t
2018-06-11 09:20:04	P65, Minsk, BY	2018-06-11 09:27:02	P65, Minsk, BY	38667 km	38667 km	0.43 km	890 lt	890 lt	0 lt	17.65 t
2018-06-11 10:28:04	P65, Minsk, BY	2018-06-11 10:32:04	P65, Minsk, BY	38667 km	38668 km	0.46 km	888 lt	890 lt	0 lt	10.01 t
2018-06-11 10:38:04	P65, Minsk, BY	2018-06-11 11:43:02	Боровляны 21A, Боровляны	38668 km	38730 km	62 km	889 lt	872 lt	17.65 lt	10.06 t
2018-06-11 12:08:04	Боровляны 21A, 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	38832 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. Бабушкина, Minsk, BY	38833 km	38876 km	43 km	834 lt	824 lt	9.86 lt	1.39 t
2018-06-13 16:14:21	ул. Бабушкина, Минск	2018-06-13 17:21:19	P53, Minsk, BY	38876 km	38946 km	70 km	824 lt	806 lt	17.42 lt	5.08 t
2018-06-13 17:29:22	P53, Minsk, BY	2018-06-13 17:31:19	P53, Minsk, BY	38946 km	38946 km	0.15 km	805 lt	805 lt	0 lt	5.00 t
2018-06-13 18:38:22	P53, Minsk, BY	2018-06-13 19:40:19	449км дороги M1/E30	38947 km	38979 km	33 km	806 lt	792 lt	13.89 lt	11.89 t
2018-06-13 20:19:23	449км дороги M1/E30	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	M1, 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	M1, Smolensk, RU	2018-06-14 10:59:29	Владимирская, Смоленская обл. Смоленский р-н Дивасовское 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 Дивасовское 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	39626 km	361 km	1070 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	39626 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

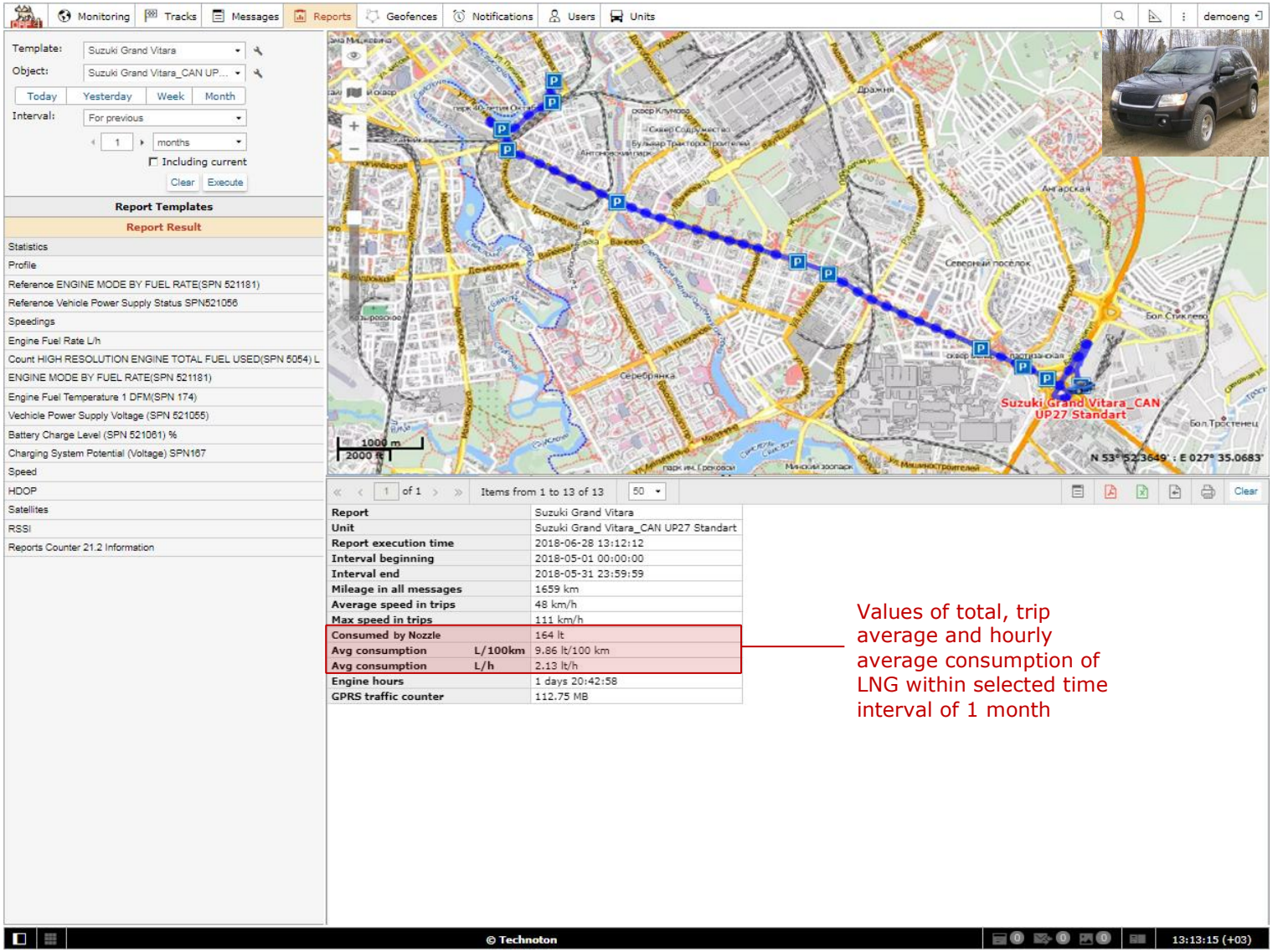
4.1 Graphical Report on change of instant (hourly) fuel consumption of gasoline (or LNG) vehicle within selected time interval



Vehicle's route

Chart of instant fuel consumption change of LNG based on signals from control unit of engine nozzles

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



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

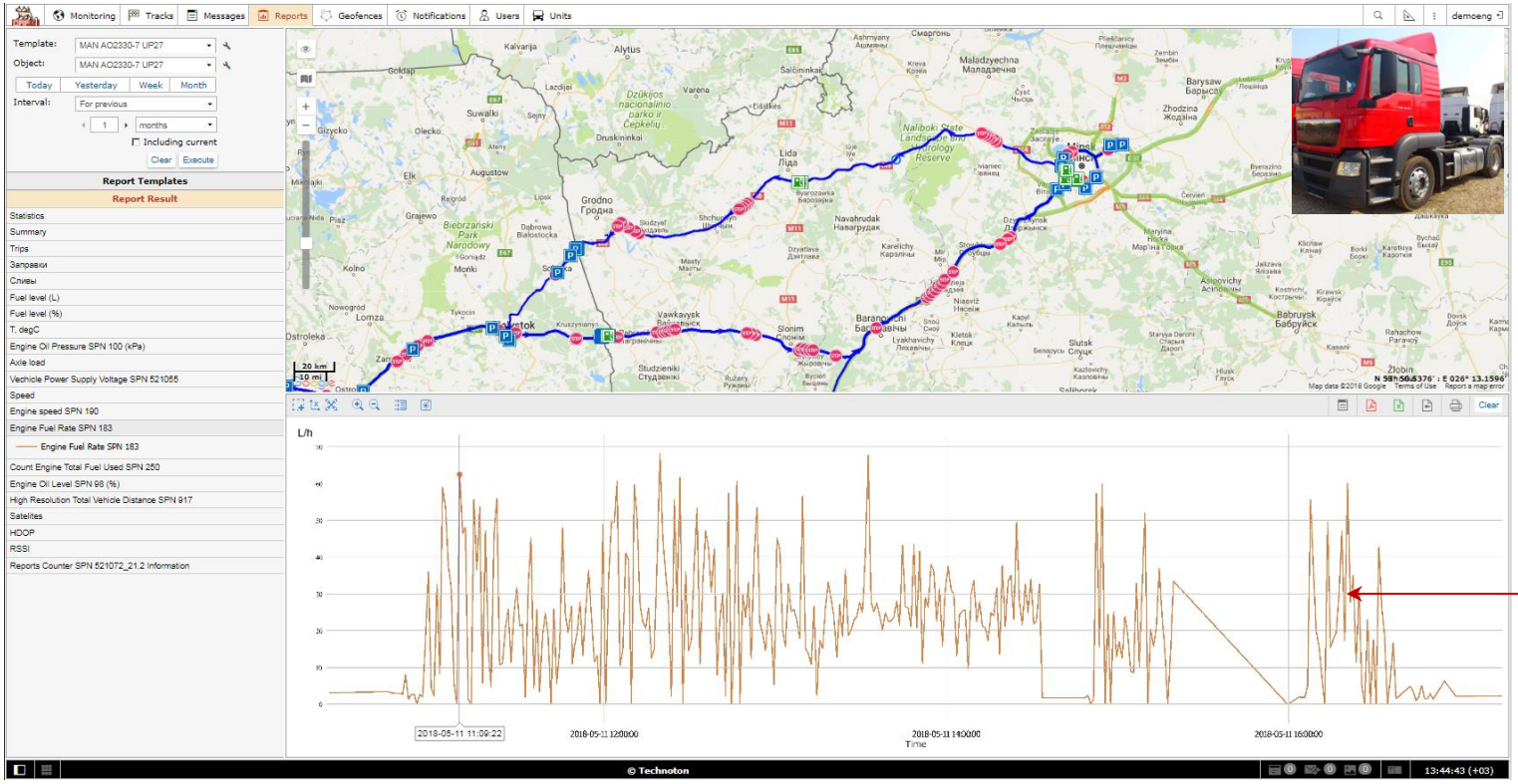


Chart of instant fuel consumption, based on data from standard CAN bus of vehicle, within selected time interval of 1 day