

Hybrid Assistant Report

Info	
Car model	Mondeo H
VIN	WF0DXXWPCDE-----
Odometer	Not available
Generated at	22/08/2017 16:47:46
Version	HA:95 HR:44

Index

- [Trip summary](#)
- [SOC Statistics](#)
- [High Voltage Battery Statistics](#)
- [Temperature](#)
- [Trip](#)
- [Engine](#)
- [Fuel Trims](#)
- [BSFC Statistics](#)
- [Maps](#)
- [Notes](#)

Trip summary

Time	
Start	22/08/2017 11:33:11
Finish	22/08/2017 11:57:14

Trip					
	Total	EV	%	No Fuel	%
Distance	19.50 km	11.29 km	57%	11.37 km	58%
Time	24:03	16:57	71%	17:01	71%
Moving	22:22	14:45	66%	15:21	69%

Speed	
Average	49 km/h
Moving Average	52 km/h
EV Average	38 km/h
Max	103 km/h

Environment	
Start SOC	41.24%
End SOC	43.15%
Avg Ambient Temperature	80°C
Altitude Delta	22

Fuel	
Consumption	4.111 L/100km
Usage	0.802 L
Cost	1.058

Trip summary values are detailed by Time, Moving and EV.

Time is the total trip time.

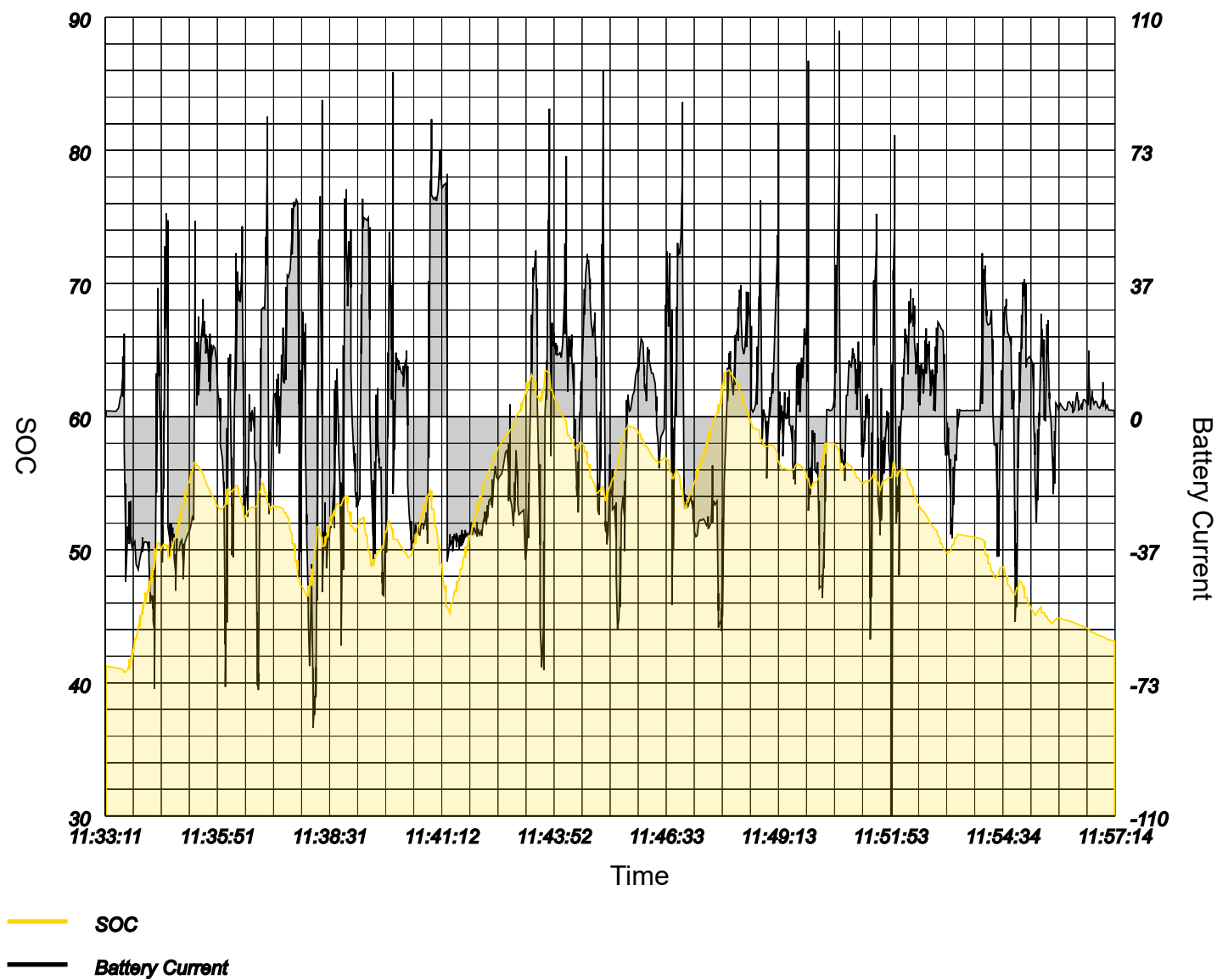
Moving stats regards only the fraction of time while the car was not standing still.

EV stats are accounted only when the petrol engine is stopped.

No Fuel sums EV driving with the petrol engine running without fuel like coasting at high speed or driving down a slope.

SOC Statistics

SOC



SOC	
Average	53.01%
Start	41.24%
End	43.15%
Delta	1.91%
Min	40.81%
Max	63.50%
Standard deviation	5.20%

Variations	
Difference from optimum	-6.99%
SOC gained from brakings	0.00%
SOC gained from coasting	44.31%
Total SOC gained	44.31%
SOC charged by ICE	45.83%

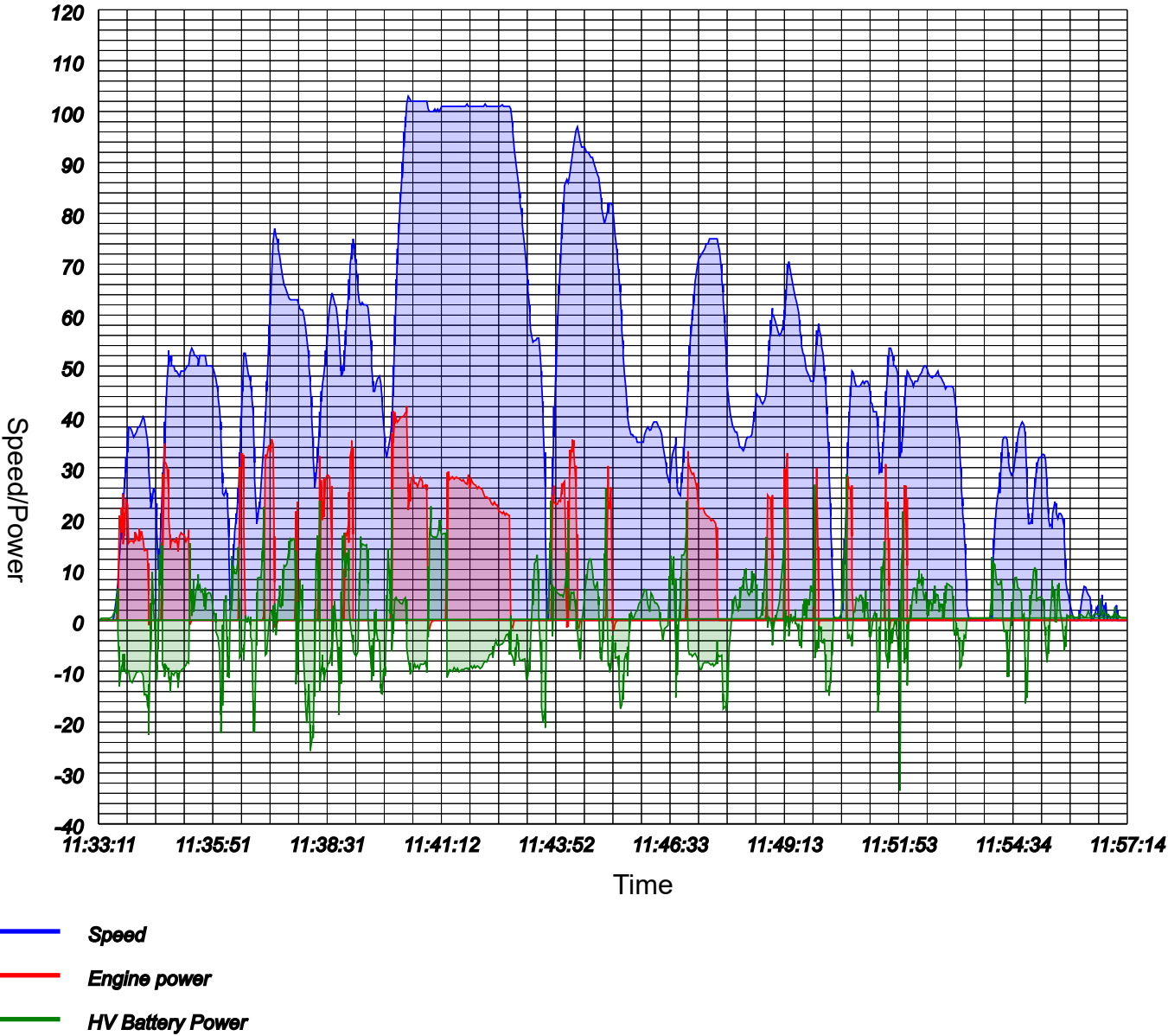
High Voltage Battery Statistics

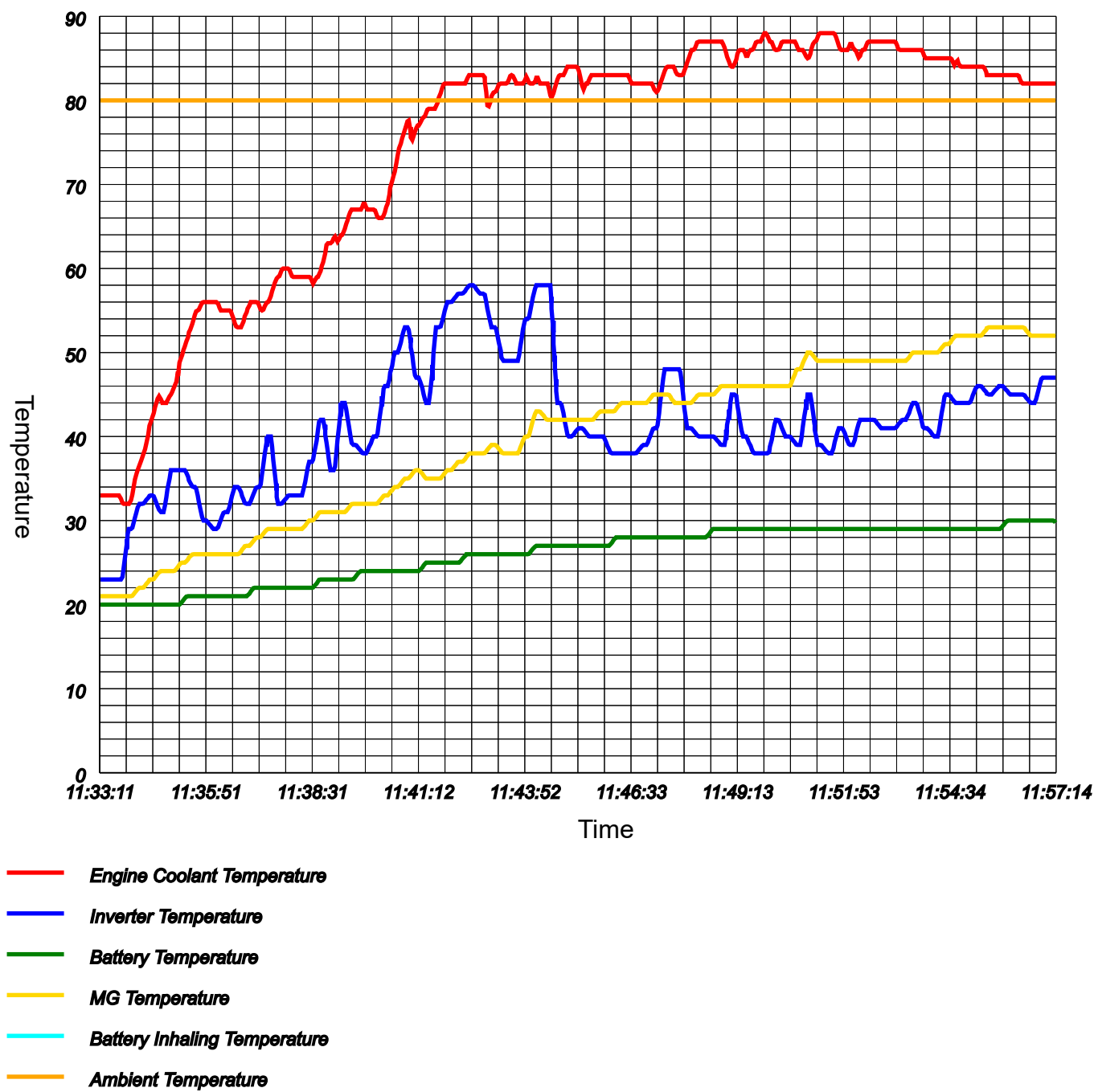
Levels		
	Current	Voltage
Avg	-0.28 A	284.90 V
Min	-110.62 A	265.70 V
Max	106.30 A	302.76 V

Power			
	Power	Charge Limit	Discharge Limit
Avg	-0.210 kW	-35.000 kW	35.000 kW
Start	0.439 kW	-35.000 kW	35.000 kW
End	0.486 kW	-35.000 kW	35.000 kW
Min	-33.993 kW	-35.000 kW	35.000 kW
Max	29.487 kW	-35.000 kW	35.000 kW

Energy	
Total energy from the battery	1.260 kWh
Total energy to the battery	1.353 kWh
Battery energy balance	0.093 kWh
Average services consumption	0.704 kW

Average Power Usage





Temperature				
	Ambient	Coolant	Inverter	MG
Avg	80°C	74°C	41°C	39°C
Min	80°C	32°C	23°C	21°C
Max	80°C	88°C	58°C	53°C

Time to reach given temperature	
Coolant Temperature	Time
40°C	1:34 sec
50°C	1:34 sec
60°C	4:04 sec
65°C	5:40 sec
70°C	6:48 sec

HV Battery Temperature Sensors	
Sensor	1
% Max	100%
Max	30°C
Avg	25°C
Min	20°C

Temperatures for each car component.

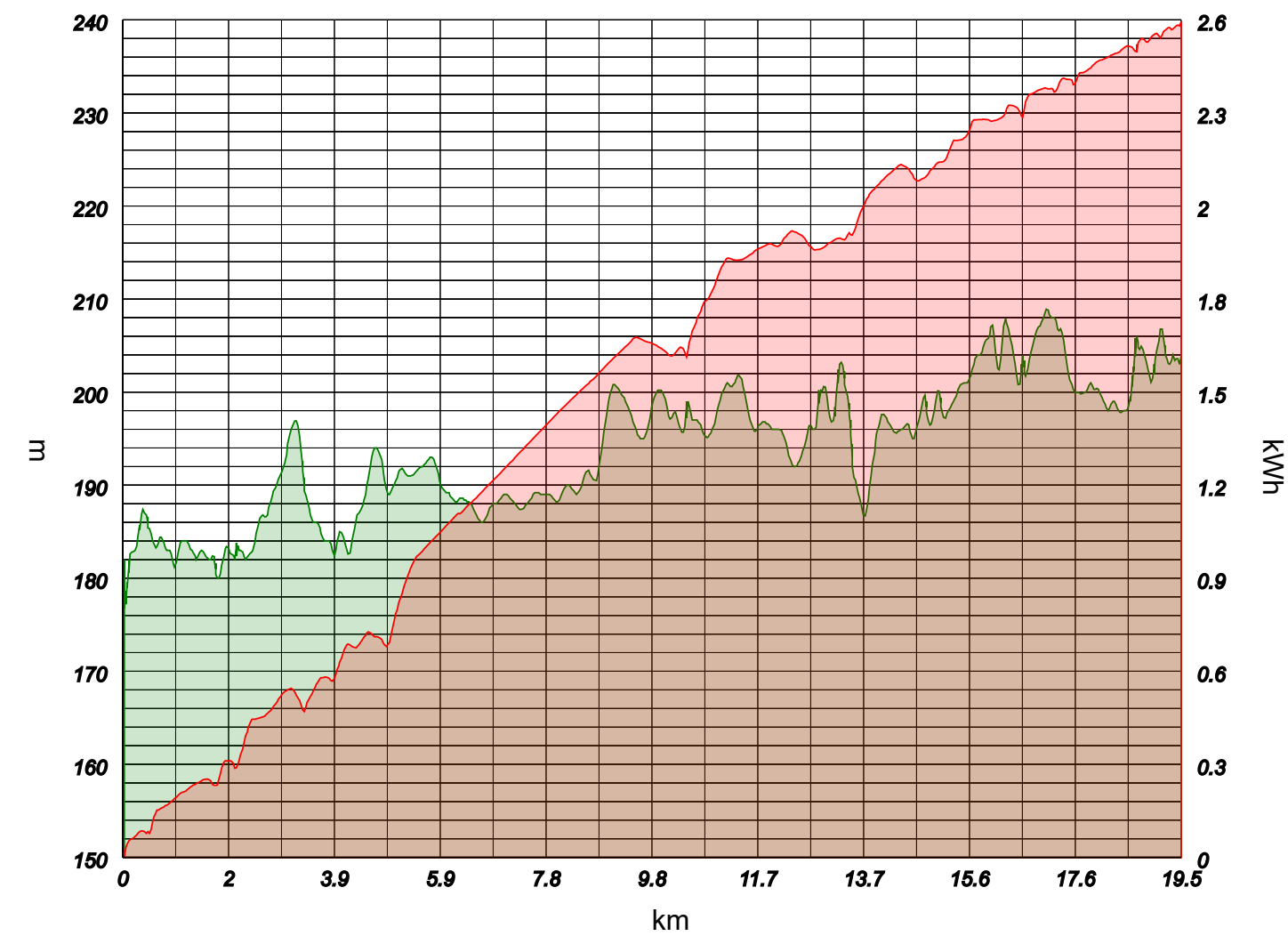
Engine coolant temperature is the water temperature, while inverter and MG is the actual component temperature.

For inverters and MGs, only the most significant value among all components is shown.

HV Battery has multiple sensors: usually the inner ones are higher than the outer ones. % Max shows time percentage the specified sensor was the highest of the pack.

[Trip](#)

Elevation Profile



Altitude	
Avg	195
Start	182
End	204
Min	176
Max	209
Upward	178
Downward	156
Altitude Delta	22

Speed

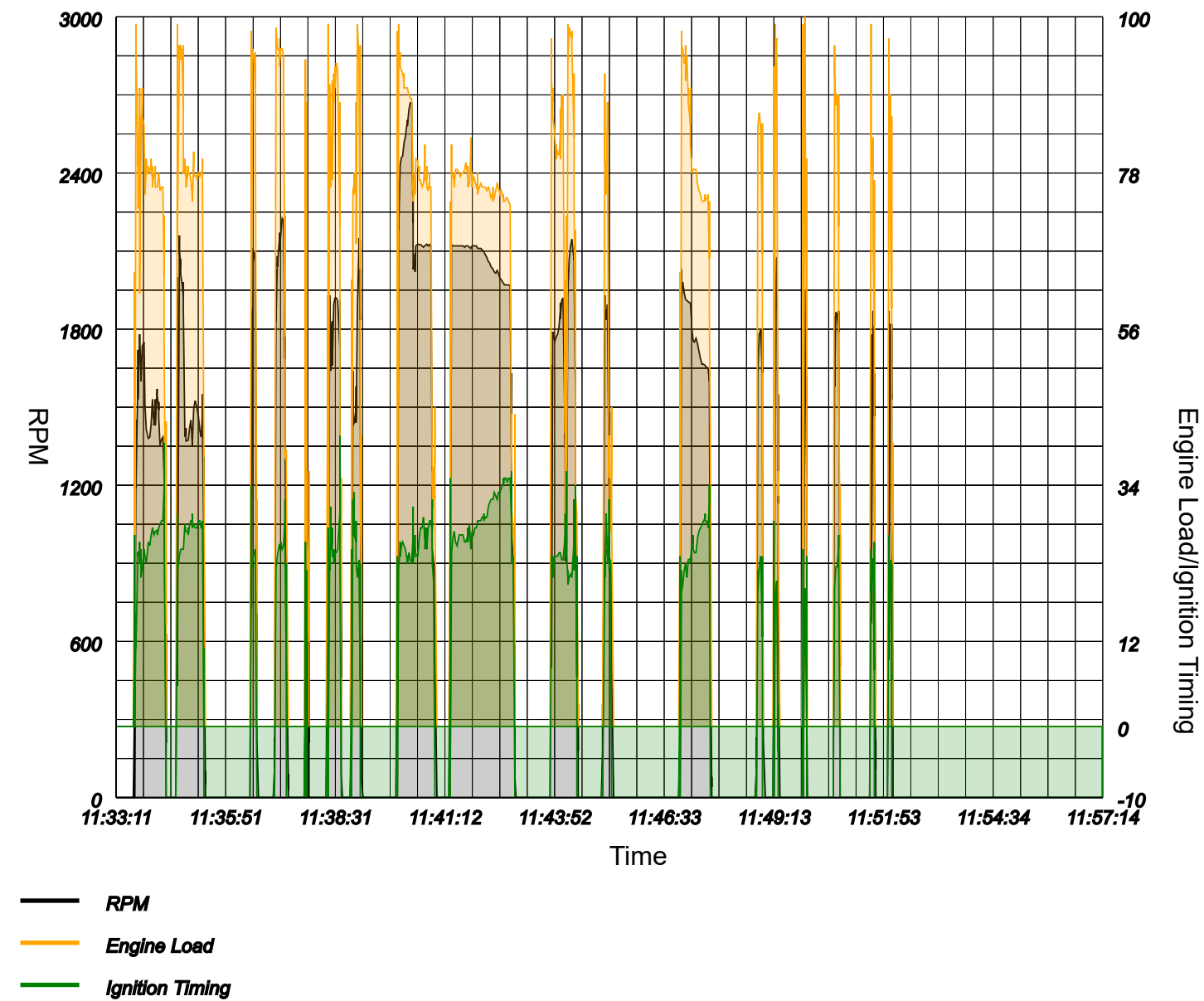
Speed	
Average	49 km/h
Moving Average	52 km/h
EV Average	38 km/h
Max	103 km/h

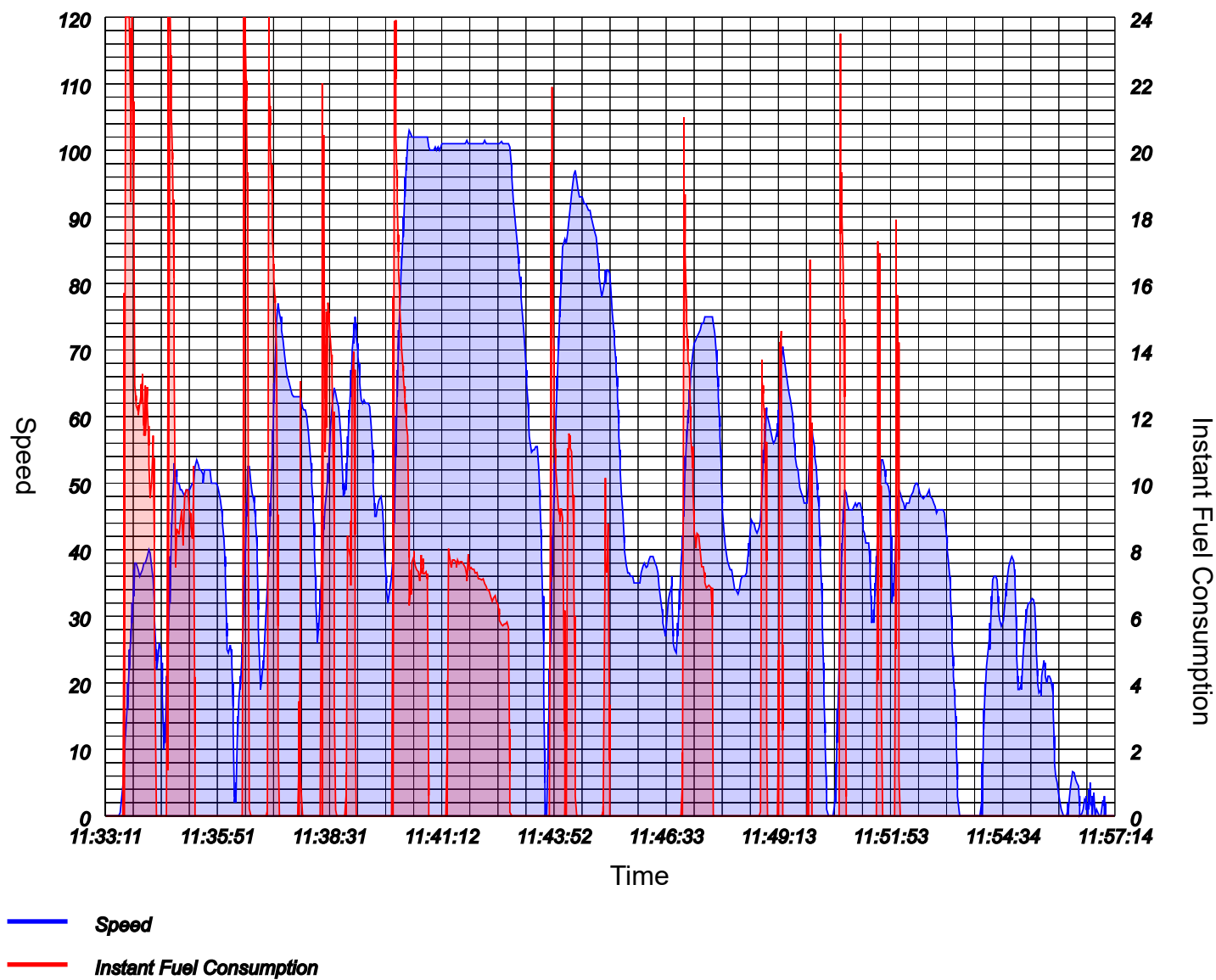
Engine

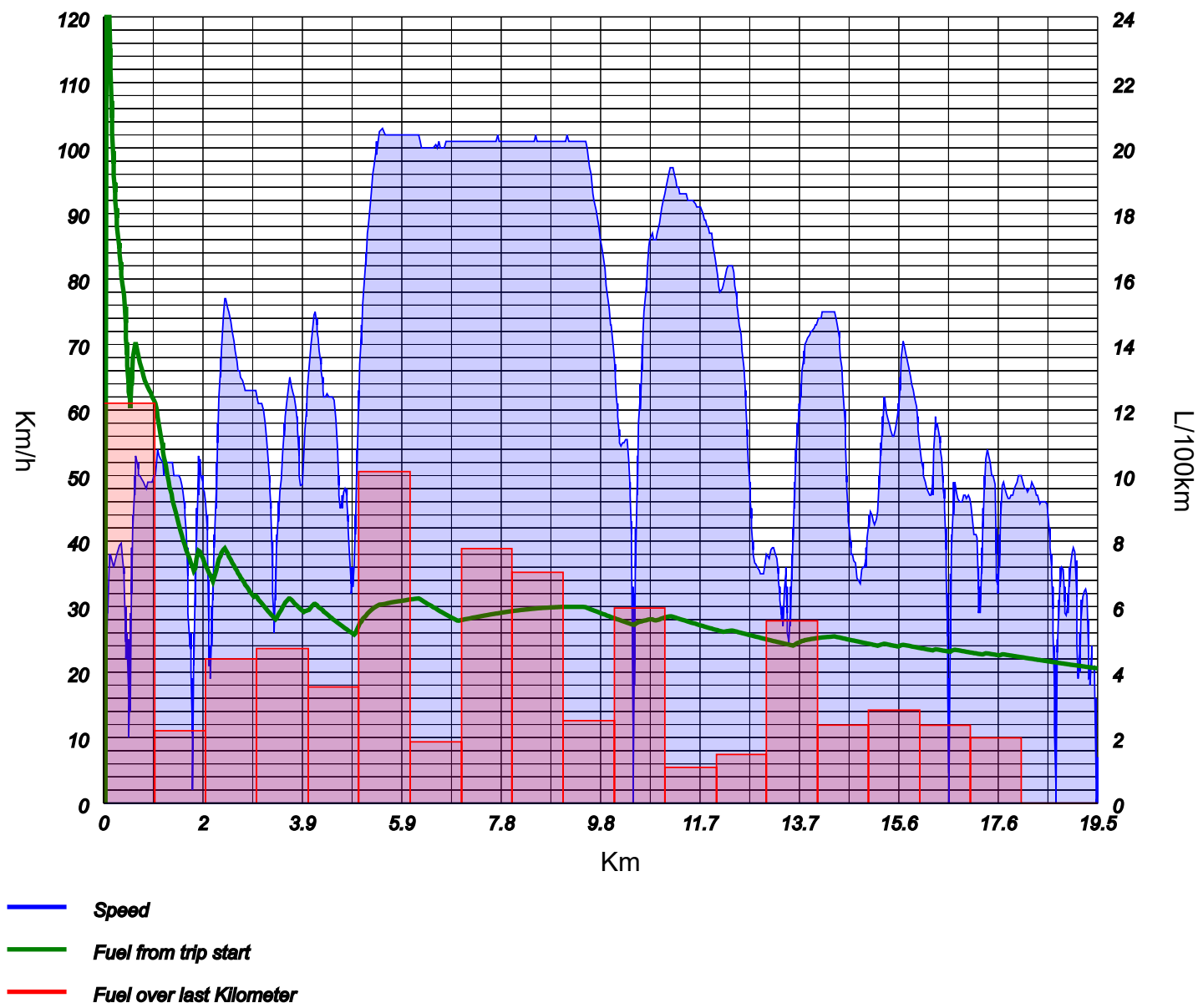
	RPM	Load	Power	Timing
Avg	1,723	77%	22.070kW	1°
Max	2,680	100%	42.097kW	41°
Min	-	-	-	-10°

Ignitions	
Total	18
Short	3

RPM

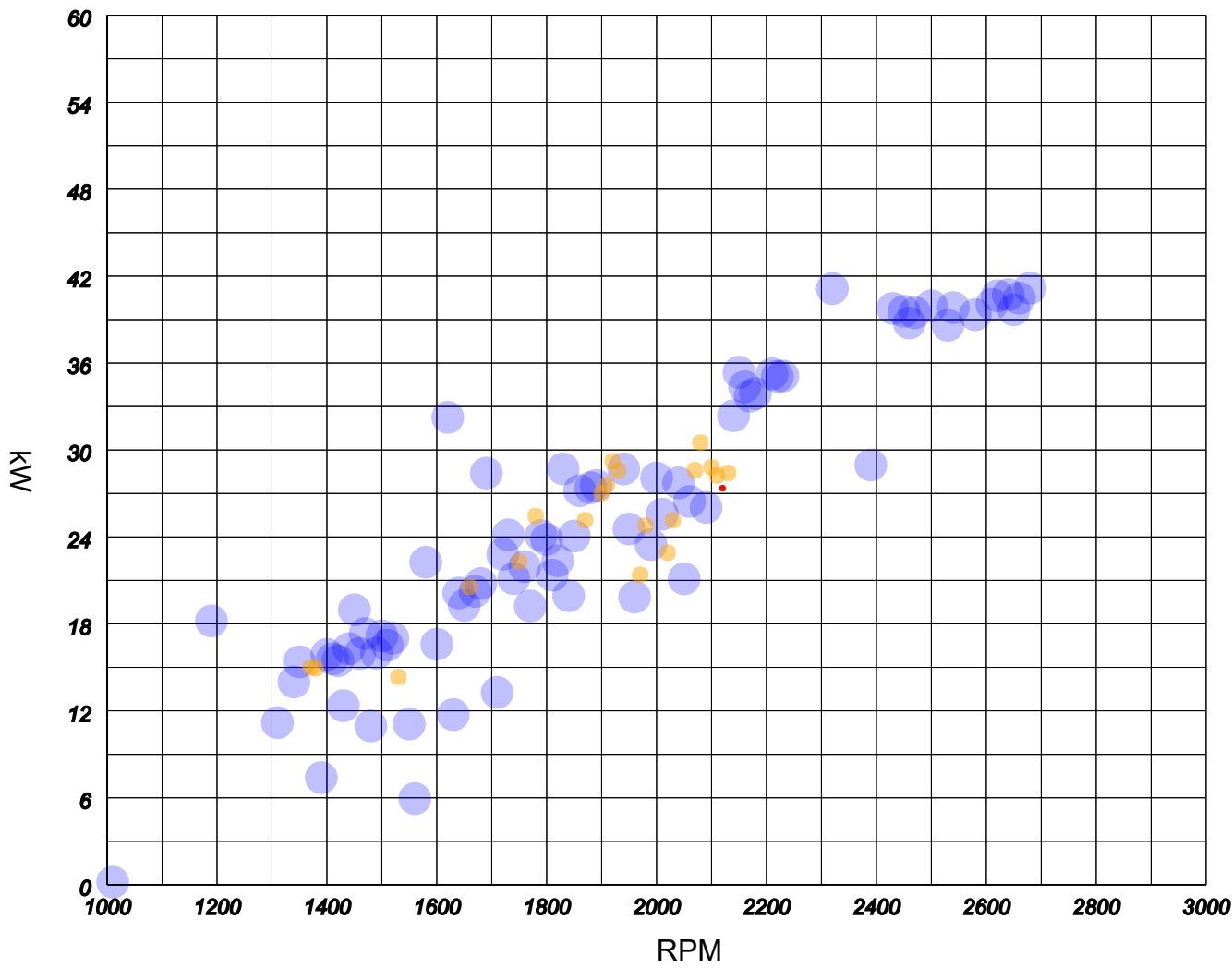






Energy	
Energy from the petrol engine	2.72 kWh
Energy Consumption	13.47 kWh/100km
Fuel Consumption	4.11 L/100km
Fuel Usage	0.802 L

Power Map



Engine		
State	%	Longest Time
ICE Running	29%	1:30 sec
ICE Spinning	2%	0:05 sec
ICE Off	72%	1:44 sec

EV Statistics	
Trip Length	19.50 km
EV Range	11.29 km
Excessive EV events	0

EV States

