



2014 SINGAPORE GRAND PRIX

From	The FIA Formula One Technical Delegate	Document	36
To	The FIA Stewards of the Meeting	Date	22 September 2014
		Time	00:11

Before the race:

The following parts have been replaced today after 18:55 and before the start of the race:

Mercedes:

Car 06: Steering wheel

Toro Rosso Renault:

Car 26: Driver's drink bag

A fuel sample was taken from car numbers 44, 07 and 04 and analysed during the race.

On the grid it was checked that all cars had fitted their tyres when the "3-Minutes" signal was given.

On the grid it was checked that the top ten cars had fitted the tyres which they had used when doing their fastest lap in Q2.

After the race:

The following cars were weighed:

Number	Car	Driver
01	Red Bull Racing Renault	Sebastian Vettel
03	Red Bull Racing Renault	Daniel Ricciardo
44	Mercedes	Lewis Hamilton
14	Ferrari	Fernando Alonso
07	Ferrari	Kimi Räikkönen
08	Lotus Renault	Romain Grosjean
13	Lotus Renault	Pastor Maldonado
20	McLaren Mercedes	Kevin Magnussen
27	Force India Mercedes	Nico Hülkenberg
11	Force India Mercedes	Sergio Perez
		Mendoza
25	Toro Rosso Renault	Jean-Eric Vergne

26	Toro Rosso Renault	Daniil Kvyat
19	Williams Mercedes	Felipe Massa
77	Williams Mercedes	Valtteri Bottas
17	Marussia Ferrari	Jules Bianchi
04	Marussia Ferrari	Max Chilton
09	Caterham Renault	Marcus Ericsson

The steering wheel of all classified cars has been checked.

Car numbers 27, 11 and 25 were checked for the following:

- 1) Bodywork around the front wheels
- 2) Front wing height and overhang
- 3) Rear wing height and overhang
- 4) Front and rear wing width
- 5) Rear wing configuration
- 6) Rear bodywork area
- 7) Rear winglet height
- 8) Skidblock thickness
- 9) Stepped bottom
- 10) Diffuser height
- 11) Diffuser area
- 12) Overall height
- 13) Overall width

The profile of the prescribed front wing section in Article 3.7.3 of the 2014 Formula One Technical Regulations was checked on car numbers 27, 11 and 25.

The minimum and maximum distance between the adjacent rear wing sections at any longitudinal vertical plane was checked on car numbers 01, 14, 25 and 19.

It was confirmed for car numbers 27, 11 and 25 that any vertical cross section of bodywork normal to the car centre line and situated in the volumes defined in Article 3.8.4 form one tangent continuous curve on its external surface with a radius no less than 75mm.

The concave radius of sections of the two rear wing elements which are in contact with the external air stream was checked on car numbers 27, 11 and 25.

The front and rear brake air duct dimensions were checked on car numbers 27, 11 and 25.

It was checked that no classified car exceeded 60 km/h when leaving the formation grid prior to the start of the race.

The units locking status was checked on all cars.

The session type has been confirmed for all cars.

Software version checks have been carried out on all cars.

Chassis FIA checksum was checked on all cars taking part in the race.

The start data of car numbers 14, 07, 27 and 11 have been checked.

The change of the ES "State of Charge" was checked on car numbers 03, 44, and 14.

The energy flow between the ES and MGU-K was checked on car numbers 03, 44, and 14.

The maximum MGU-K power was checked on car numbers 03, 44, and 14.

The maximum MGU-K torque was checked on car numbers 03, 44, and 14.

The maximum MGU-K speed was checked on car numbers 03, 44, and 14.

The maximum MGU-H speed was checked on car numbers 03, 44, and 14.

The ERS lap energy limits were checked on car numbers 01, 03, 44, 14, 07, 20, 27, 11, 25 and 19.

It was checked that car numbers 01, 44 and 14 did not exceed 15000 rpm during the race.

The fuel pressure of car numbers 01, 44 and 14 during the race was checked.

The logged pressure within the engine cooling system during the race was checked on car numbers 01, 44 and 14.

The tyres used by all drivers during the race today have been checked.

The fuel flow of all classified cars was checked.

The fuel consumption of all cars was checked.

The fuel temperature of car numbers 01, 03, 44, 14, 07, 20, 27, 11, 25 and 19 was checked.

A fuel sample was taken from car numbers 14 and 19.

The fuel samples have been checked for density and analysed by gas chromatography.

The results of all the fuel analyses show that the fuels were the same as ones, which had been approved for use by the relevant competitors prior to the Event.

Further the density change of the fuel samples taken today was within the permitted limits.

All car weights and the items checked were found to be in conformity with the 2014 FIA Formula One Technical Regulations.

Jo Bauer

The FIA Formula One Technical Delegate