



## 2013 GERMAN GRAND PRIX

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<b>From</b>	The FIA Formula 1 Technical Delegate	<b>Document</b>	44
<b>To</b>	All Teams, All Officials	<b>Date</b>	07 July 2013
		<b>Time</b>	18:03

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### Technical Report

#### Before the race:

An asymmetric front wing deflection test was carried out on car numbers 01, 07 and 10.

A fuel sample was taken from car numbers 06, 09 and 16 and analysed during the race.

On the grid it was checked that all cars had fitted their tyres when the 3-Minutes board was shown.

#### After the race:

The following cars were weighed:

<i>Number</i>	<i>Car</i>	<i>Driver</i>
01	Red Bull Racing Renault	Sebastian Vettel
02	Red Bull Racing Renault	Mark Webber
03	Ferrari	Fernando Alonso
05	McLaren Mercedes	Jenson Button
06	McLaren Mercedes	Sergio Perez Mendoza
07	Lotus Renault	Kimi Räikkönen
08	Lotus Renault	Romain Grosjean
09	Mercedes	Nico Rosberg
10	Mercedes	Lewis Hamilton
11	Sauber Ferrari	Nico Hülkenberg
12	Sauber Ferrari	Esteban Gutierrez
14	Force India Mercedes	Paul Di Resta
15	Force India Mercedes	Adrian Sutil
16	Williams Renault	Pastor Maldonado
17	Williams Renault	Valtteri Bottas
19	Toro Rosso Ferrari	Daniel Ricciardo
20	Caterham Renault	Charles Pic
21	Caterham Renault	Giedo van der Garde
23	Marussia Cosworth	Max Chilton

The steering wheel of all classified cars has been checked.

Car numbers 01, 02, 03, 05, 06, 07, 08, 09, 10 and 11 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

It was confirmed for car number 03 that a one litre sample of fuel could be taken from the car at the end of the race.

It was checked that no car exceeded 100km/h when leaving the formation grid.

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 checksums were checked on all cars taking part in the race.

The start data of car numbers 01, 03, 05, 06, 07, 08, 09, 10 and 11 have been checked.

It was checked that car numbers 01, 03, 05, 07, 08 and 10 did not exceed 18000 rpm during the race.

The fuel pressure of car numbers 01, 03, 05, 07, 08 and 10 during the race was checked.

The logged pressure within the engine cooling system during the race was checked on car numbers 01, 03, 05, 07, 08 and 10.

The tyre pressures of car numbers 01 and 02 during the race have been checked.

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

A fuel sample was taken from car numbers 01, 03 and 07.

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.

All car weights and the items checked were found to be in conformity with the 2013 FIA Formula One Technical Regulations.

**Jo Bauer**

**The FIA Formula 1 Technical Delegate**