







## 2008 GRAND PRIX OF EUROPE

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<b>From :</b>	The FIA Formula One Technical Delegate	<b>Document :</b>	4
<b>To :</b>	The Stewards of the Meeting	<b>Date :</b>	21 August 2008
		<b>Time :</b>	14:55

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### TECHNICAL DELEGATE'S REPORT

A seal was broken on the gearbox of car number 10, driver Mark Webber, in order to change the layshaft lip seal.

This was done in accordance with Article 9.5.2 of the 2008 FIA Formula One Technical Regulations.

Jo Bauer  
FIA Formula One Technical Delegate



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<b>From :</b>	The FIA Formula One Technical Delegate	<b>Document :</b>	16
<b>To :</b>	The Stewards of the Meeting	<b>Date :</b>	22 August 2008
		<b>Time :</b>	16:30

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### TECHNICAL DELEGATE'S REPORT

#### After the first free practice session:

It was checked that all cars did not exceed 19000 rpm during the first free practice session.

The fuel pressure of all cars during the first free practice session was checked.

A fuel sample was taken from car number 08.

#### After the second free practice session:

The following cars were weighed:

<i>Number</i>	<i>Car</i>	<i>Driver</i>
10	Red Bull Renault	Mark Webber
21	Force India Ferrari	Giancarlo Fisichella

Car numbers 10 and 21 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) Stepped bottom
- 9) Overall height
- 10) Overall width

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

A fuel sample was taken from car number 09.

The results of 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 the above items were found to be in conformity with 2008 FIA Formula One Technical Regulations.

Jo Bauer  
FIA Formula One Technical Delegate





14	STR Ferrari	Sébastien Bourdais
15	STR Ferrari	Sebastian Vettel
22	McLaren Mercedes	Lewis Hamilton
23	McLaren Mercedes	Heikki Kovalainen

Car numbers 01, 02, 03, 04, 07, 11, 14, 15, 22 and 23 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) Stepped bottom
- 9) Diffuser height
- 10) Diffuser width
- 11) Overall height
- 12) Overall width

The chassis identification transponders have been confirmed for car numbers 01, 02, 03, 04, 07, 11, 14, 15, 22 and 23.

It was checked on car numbers 01, 02, 03, 04, 07, 11, 14, 15, 22 and 23 that the reverse gear was in working order.

Software version checks have been carried out on car numbers 02, 04, 07, 11, 15 and 22.

The units locking status was checked on car numbers 02, 04, 07, 11, 15 and 22.

Engine protections were checked on car numbers 02, 04, 07, 11, 15 and 22.

The throttle mapping was checked on car numbers 02, 04, 07, 11, 15 and 22.

The gear shift configuration of car numbers 02, 04, 07, 11, 15 and 22 was checked.

Gear shift data checks have been carried out on car numbers 01, 02, 15 and 22.

It was checked that all cars did not exceed 19000 rpm during the qualifying sessions.

The fuel pressure of all cars during the qualifying sessions was checked.

It was confirmed for all drivers taking part in the qualifying session that they have used their sealed engine.

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

Fuel samples were taken from car numbers 07, 11 and 15.

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

The results of 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.

The following software versions have been used by the teams during the qualifying sessions:

<b>Car numbers</b>	<b>Team</b>	<b>Version</b>
1, 2	: Scuderia Ferrari Marlboro	V1.00.0035
3, 4	: BMW Sauber F1 Team	V1.00.0035
5, 6	: ING Renault F1 Team	V1.00.0035
7, 8	: AT & T Williams	V1.00.0035
9, 10	: Red Bull Racing	V1.00.0035
11, 12	: Panasonic Toyota Racing	V1.00.0035
14, 15	: Scuderia Toro Rosso	V1.00.0035
16, 17	: Honda Racing F1 Team	V1.00.0036
20, 21	: Force India F1 Team	V1.00.0035
22, 23	: Vodafone McLaren Mercedes	V1.00.0035

All the above items were found to be in conformity with 2008 FIA Formula One Technical Regulations.

Jo Bauer  
FIA Formula One Technical Delegate



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<b>From :</b>	The FIA Formula One Technical Delegate	<b>Document :</b>	33
<b>To :</b>	The Stewards of the Meeting	<b>Date :</b>	24 August 2008
		<b>Time :</b>	11:30

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### TECHNICAL DELEGATE'S REPORT

After the qualifying practice session yesterday a seal was broken on the gearbox of car number 05, driver Fernando Alonso, in order to inspect the 1<sup>st</sup> and 2<sup>nd</sup> gear ratios and associated dog rings.

This was done in accordance with Article 28.6 d) of the 2008 FIA Formula One Sporting Regulations.

After the qualifying practice session yesterday a seal was broken on the gearbox of car number 17, driver Rubens Barrichello, in order to replace the 7<sup>th</sup> gear ratio to a different than the declared one.

As this is not in compliance with Article 28.6 of the 2008 Formula One Sporting Regulations, I am referring this matter to the stewards for their consideration.

After the qualifying practice session yesterday a seal was broken on the gearbox of car number 20, driver Adrian Sutil, in order to replace the 6<sup>th</sup> and 7<sup>th</sup> gear ratio to a different than the declared one and a hub needle bearing.

As this is not in compliance with Article 28.6 of the 2008 Formula One Sporting Regulations, I am referring this matter to the stewards for their consideration.

Jo Bauer  
FIA Formula One Technical Delegate



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From :	The FIA Formula One Technical Delegate	Document :	34
To :	The Stewards of the Meeting	Date :	24 August 2008
		Time :	11:35

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### TECHNICAL DELEGATE'S REPORT

The following parts have been replaced during the Parc Fermé yesterday and today by the Honda Racing F1 Team for parts with a different specification:

Car 17:           7<sup>th</sup> gear ratio  
                  Brake master cylinders  
                  Brake material  
                  Rear wing

Furthermore set-up changes have been carried out.

The following parts have been replaced during the Parc Fermé yesterday and today by the Force India F1 Team for parts with a different specification:

Car 20:           6<sup>th</sup> and 7<sup>th</sup> gear ratio  
                  Brake pedal pad  
                  Rear wing assembly

Furthermore set-up changes have been carried out.

The parts have been replaced with the approval of the FIA technical delegate following a written request from the team concerned, this being in accordance with Article 34.1 of the 2008 Formula One Sporting Regulations. But as the above parts are different from the ones originally used and also changes have been made to the set up of the suspension, car numbers 17 and 20 should now be required to start from the pit lane according to Article 34.5 of the 2008 Formula One Sporting Regulations.

Jo Bauer  
FIA Formula One Technical Delegate



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<b>From :</b>	The FIA Formula One Technical Delegate	<b>Document :</b>	35
<b>To :</b>	The Stewards of the Meeting	<b>Date :</b>	24 August 2008
		<b>Time :</b>	12:30

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### TECHNICAL DELEGATE'S REPORT

The following parts have been replaced during the Parc Fermé yesterday and today:

#### **Ferrari:**

Car 02: Tape on LHS front brake duct's rear exit

#### **Renault:**

Car 05: Shift A actuator  
Hydraulic manifold

#### **Williams Toyota:**

Car 07: ECU  
Copper washer on LHS rear brake caliper

#### **Red Bull Renault:**

Car 09: Cap in the topbody used to close the access hole to the rear anti roll bar fixings

Car 10: LHS cover panel

#### **Toyota:**

Car 11: Pitot tube and associated sensor  
Engine oil filter  
Windscreen

Car 12: Windscreen

**STR Ferrari:**

Car 14: Oil tube wiggins

Car 15: Oil tube wiggins  
Auxiliary oil tank valve solenoid

**Force India Ferrari:**

Car 20: Rear light assembly  
Gearbox hub needle bearing

All above parts have been replaced with the approval of the FIA technical delegate following a written request from the team concerned, this being in accordance with Article 34.1 of the 2008 Formula One Sporting Regulations.

Jo Bauer  
FIA Formula One Technical Delegate



21	Force India Ferrari	Giancarlo Fisichella
22	McLaren Mercedes	Lewis Hamilton
23	McLaren Mercedes	Heikki Kovalainen

The steering wheel of all classified cars has been checked.

Car numbers 02, 04, 07, 11, 12, 15, 22 and 23 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

Hardware checks have been carried out on car number 02.

The start data of car numbers 02, 04, 15, 17 and 22 have been checked.

Gear shift data checks have been carried out for car numbers 02, 04, 17 and 22.

The gear shift configuration of car numbers 02, 04, 17 and 22 was checked.

Software version checks have been carried out on car numbers 02, 04, 17 and 22.

The units locking status was checked on car numbers 02, 04, 17 and 22.

The logger usage was checked on car numbers 02, 04, 17 and 22.

Engine protections were checked on car numbers 02, 04, 17 and 22.

The throttle mapping was checked on car numbers 02, 04, 17 and 22.

The torque mapping was checked on car numbers 02, 04, 17 and 22.

It was checked that car number 04 did not exceed 19000 rpm during the race.

The fuel pressure of car number 04 during the race was checked.

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

The data logger of the refuelling rig of car numbers 11, and 15 has been checked.

A fuel sample was taken from car numbers 02, 04 and 22.

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 2008 FIA Formula One Technical Regulations.

Jo Bauer  
FIA Formula One Technical Delegate