

2022 AUSTRIAN GRAND PRIX

07 - 10 July 2022

From	The FIA Formula One Technical Delegate	Document	50
To	The Stewards	Date	09 July 2022
		Time	19:55

Technical Delegate's Report

During the second free practice session:

The tyre starting pressures of all cars during P2 were checked.

The engine high rev limit bands were checked on all cars.

The fuel flow meter calibration checksum was checked on all cars.

The instantaneous fuel mass flow of all cars was checked.

The fuel temperature of all cars was checked.

The plenum temperature of all cars was checked.

After the second free practice session:

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

The logged pressure within the engine cooling system during the second free practice session was checked on all cars.

The custom software versions were checked on all cars.

A fuel sample was taken from car number 03.

An engine oil sample was taken from car number 03.

Before the Sprint:

A fuel sample was taken from car number 05.

An engine oil sample was taken from car number 05 .

On the grid it was checked that all cars had fitted their tyres when the 5-Minutes signal was given.

On the grid the temperature of the LHS and RHS front and rear tyre was checked on car numbers 63, 01, 11, 16, 55, 03, 14, 31, 22, 23, and 47.

On the grid the minimum tyre starting pressure of the LHS and RHS front and rear tyre was checked on all cars.

After the Sprint:

The following cars were weighed:

<i>Number</i>	<i>Car</i>	<i>Driver</i>
63	Mercedes	George Russell
44	Mercedes	Lewis Hamilton
01	Red Bull Racing RBPT	Max Verstappen
11	Red Bull Racing RBPT	Sergio Perez
16	Ferrari	Charles Leclerc
55	Ferrari	Carlos Sainz
03	McLaren Mercedes	Daniel Ricciardo
04	McLaren Mercedes	Lando Norris
10	AlphaTauri RBPT	Pierre Gasly
22	AlphaTauri RBPT	Yuki Tsunoda
18	Aston Martin Mercedes	Lance Stroll
05	Aston Martin Mercedes	Sebastian Vettel
23	Williams Mercedes	Alexander Albon
06	Williams Mercedes	Nicholas Latifi
77	Alfa Romeo Racing Ferrari	Valtteri Bottas
24	Alfa Romeo Racing Ferrari	Zhou Guanyu
20	Haas Ferrari	Kevin Magnussen
47	Haas Ferrari	Mick Schumacher

The steering wheel of all cars has been checked.

The following aerodynamic component or bodywork areas were checked on car numbers 63, 11, 55 and 20:

- Floor Body - TR Article 3.5.1
- Floor Fences - TR Article 3.5.2

- Floor Edge Wing - TR Article 3.5.3
- Nose - TR Article 3.6.1
- Forward Chassis - TR Article 3.6.2
- Mid Chassis - TR Article 3.6.3
- Sidepod - TR Article 3.7.1
- Coke Panel - TR Article 3.7.2
- Engine Cover - TR Article 3.7.3
- Front Wing Endplate body - TR Article 3.9.2
- Front Wing Tip - TR Article 3.9.3
- Front Wing Diveplane - TR Article 3.9.4
- Front Wing Endplate - TR Article 3.9.5
- Rear Wing Profiles - TR Article 3.10.1
- Rear Wing Endplate Body - TR Article 3.10.4
- Rear Wing Tip - TR Article 3.10.5
- Rear Wing Endplate - TR Article 3.10.7

The chassis transponders of car numbers 63, 44, 01, 11, 16, 55, 03, 04, 31, 10, 22, 18, 05, 23, 06, 77, 24, 20 and 47 were checked.

The engine high rev limit bands were checked on all cars.

The oil consumption of all cars was checked.

The plenum temperature was checked on all cars.

The IVT code and calibration checksums were checked on all cars.

The IVT temperatures were checked on all cars.

The ES state of charge on-track limits were checked on all cars.

The lap energy release and recovery limits were checked on all cars.

The MGU-K power limits were checked on all cars.

The maximum MGU-K speed was checked on all cars.

The maximum MGU-K torque was checked on all cars.

The maximum MGU-H speed was checked on all cars.

The session type has been confirmed for all cars.

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

The torque coordinator demands were checked on all cars.

The torque control was checked on all cars.

The rear brakes pressure control was checked on all cars.

The Sprint start data of all cars have been checked.

Single clutch paddle use for the Sprint start has been checked on all cars.

The MGU-K use at the Sprint start was checked on car numbers 63, 44, 01, 11, 16, 55, 03, 04, 31, 10, 22, 18, 05, 23, 06, 77, 24, 20 and 47.

It was checked on car numbers 63, 44, 01, 11, 16, 55, 03, 04, 31, 10, 22, 18, 05, 23, 06, 77, 24, 20 and 47 that the ES was not charged while the car was stationary in the pits.

It was checked that car numbers 63, 44, 01, 11, 16, 55, 03, 04, 31, 10, 22, 18, 05, 23, 06, 77, 24, 20 and 47 exceeded 80 km/h when leaving the formation grid prior to the start of the Sprint.

It was verified on all cars that the PCU dash display configuration was not changed during Parc Fermé.

The tyre starting pressures of all cars during the Sprint were checked.

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

The fuel pressure of all cars during the Sprint was checked.

The logged pressure within the engine cooling system during the Sprint was checked on all cars.

Fuel flow meter calibration checksums were checked on all cars.

The instantaneous fuel mass flow of all cars was checked.

The fuel temperature of all cars was checked.

A fuel sample was taken from car number 16.

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.

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

An engine oil sample was taken from car number 20.

The engine oil samples have been analysed by FTIR spectroscopy and viscometry.

The results of the FTIR analyses show that the sampled oils were consistent with reference engine oil samples 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 the 2022 FIA Formula One Technical Regulations.

Jo Bauer

The FIA Formula One Technical Delegate