

2018 UNITED STATES GRAND PRIX

18 - 21 October 2018

From	The FIA Formula One Technical Delegate	Document	15
To	The Stewards	Date	19 October 2018
		Time	16:45

Technical Delegate's Report

Before the first free practice session:

An engine oil sample was taken from car number 11.

During the first free practice session:

The tyre starting pressures of all cars during P1 were checked.

The instantaneous fuel flow of all cars was checked.

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

The fuel temperature of all cars was checked.

After the first free practice session:

It was checked that all cars did not exceed 15000 rpm during the first free practice session.

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

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

A fuel sample was taken from car number 20

Before the second free practice session:

An engine oil sample was taken from car number 02.

During the second free practice session:

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

The instantaneous fuel flow of all cars was checked.

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

After the second free practice session:

Car numbers 07 and 09 were weighed.

Car numbers 07 and 09 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 profile of the in Article 3.3.2 of the 2018 Formula One Technical Regulations prescribed front wing section was checked on car numbers 07 and 09.

The minimum distance between the adjacent rear wing sections at any longitudinal vertical plane was checked on car numbers 07 and 09.

It was confirmed for car numbers 07 and 09 that any vertical cross section of bodywork normal to the car centre line and situated in the volumes defined in Article 3.5.7 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 07 and 09.

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

A fuel sample was taken from car number 31.

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.

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 2018 FIA Formula One Technical Regulations.

Jo Bauer

The FIA Formula One Technical Delegate