

2022 UNITED STATES GRAND PRIX

20 - 23 October 2022

From	The FIA Formula One Technical Delegate	Document	20
To	The Stewards	Date	21 October 2022
		Time	20:30

Technical Delegate's Report

Before the first free practice session:

The exhaust system components of all cars were checked against the declaration submitted by the relevant team before the Event.

During the first free practice session:

The tyre starting pressures of all cars during P1 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 first free practice session:

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 car numbers and .

The MGU-K power model was checked on all cars.

The custom software versions were checked on all cars.

A fuel sample was taken from car number 10.

An engine oil sample was taken from car number 10.

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 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 custom software versions were checked on all cars.

The ECU software versions were checked on all cars.

Chassis FIA checksum was checked on all cars.

The torque coordinator demands were checked on all cars.

The torque control was checked on all cars.

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

A fuel sample was taken from car number 77.

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 77.

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