

2023 AUSTRIAN GRAND PRIX

30 June - 02 July 2023

From	The FIA Formula One Technical Delegate	Document	26
To	The Stewards	Date	30 June 2023
		Time	20:24

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 Competition.

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 car numbers 01, 11, 16, 55, 63, 44, 31, 81, 04, 77, 24, 18, 14, 20, 27, 21, 22, 23 and 02 was checked.

The plenum temperature of all cars was checked.

After the first free practice session:

Car number 18 was weighed.

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.

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 custom software versions were checked on all cars.

An engine oil sample was taken from car number 55.

Before the qualifying practice session:

A fuel sample was taken from car numbers 21 and 02.

An engine oil sample was taken from car numbers 21 and 02.

It was confirmed for all cars that the gear ratios used during the remainder of this Competition belong to the gear ratios declared to the FIA technical delegate at or before the first Competition of the 2023 Championship.

The thickness of the brake discs of car number 01, 11, 16, 55, 63, 44, 31, 10, 14, 20, 27, 21, 22, 23 and 02 was checked.

During the qualifying practice session:

Car numbers 01, 11, 16, 55, 31, 04, 77, 24, 14, 27, 21, 23 and 02 were weighed.

The weight distribution was checked on car numbers 01, 11, 16, 55, 31, 04, 77, 24, 14, 27, 21, 23 and 02.

The uppermost rear wing element adjustable positions were checked on car numbers 63, 81, 24 and 22.

The minimum distance between the adjacent rear wing sections at any longitudinal vertical plane was checked on car numbers 63, 81, 24 and 22.

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

After the qualifying practice session:

Car numbers 01, 16, 55, 44, 10, 04, 18, 14, 27 and 23 were weighed.

The uppermost rear wing element adjustable positions were checked on car numbers 01, 16, 55, 44, 10, 04, 18, 14 and 23.

The minimum distance between the adjacent rear wing sections at any longitudinal vertical plane was checked on car numbers 01, 16, 55, 44, 10, 04, 18, 14 and 23.

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

The plenum temperature was 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 qualifying sessions.

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.

Custom software version checks have been carried out on all cars.

SECU software version checks have been carried out on all cars.

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

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

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

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 numbers 10 and 14.

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 Competition.

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

An engine oil sample was taken from car number 10.

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 Competition.

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

Team	FIA Standard ECU system version
Oracle Red Bull Racing	SR1508
Scuderia Ferrari	SR1508
Mercedes-AMG PETRONAS Formula One Team	SR1507
BWT Alpine F1 Team	SR1508
McLaren Formula 1 Team	SR1507
Alfa Romeo F1 Team Stake	SR1508
Aston Martin Aramco Cognizant Formula One Team	SR1507
MoneyGram Haas F1 Team	SR1508
Scuderia AlphaTauri	SR1508

Williams Racing

SR1507

All the above items were found to be in conformity with the 2023 FIA Formula One Technical Regulations.

Jo Bauer

The FIA Formula One Technical Delegate