

# 2024 CHINESE GRAND PRIX

## 19 - 21 April 2024

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| <b>From</b> | The FIA Formula One Technical Delegate | <b>Document</b> | 26            |
| <b>To</b>   | The Stewards                           | <b>Date</b>     | 19 April 2024 |
|             |  | <b>Time</b>     | 19:31         |

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### Technical Delegate's Report

#### 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 partial load fuel mass flow of all cars was checked.

The fuel temperature of all cars was checked.

The plenum temperature of all cars was checked.

The exhaust fluid mass flow of all cars was checked.

#### After the first free practice session:

Car number 16 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 MGU-K power model was checked on all cars.

The ES power model was checked on all cars.

The torque coordinator demands were checked on all cars.

The torque control was checked on all cars.

The custom software versions were checked on all cars.

### **During the Sprint Qualifying session:**

Car numbers 01, 44, 04, 10 and 27 were weighed.

The weight distribution was checked on car numbers 01, 44, 04, 10 and 27.

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

### **After the Sprint Qualifying session:**

Car numbers 01, 11, 44, 16, 55, 81, 04, 14, 77 and 24 were weighed.

The following aerodynamic component or bodywork areas were checked on car numbers 11, 04 and 24:

- |                   |                    |
|-------------------|--------------------|
| - 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
- Mirror Housing - TR Article 3.6.4
- Sidepod - TR Article 3.7.1
- Coke Panel - TR Article 3.7.2
- Engine Cover - TR Article 3.7.3
- Tail - TR Article 3.8.1
- 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
- Pylons - TR Article 3.10.2
- Rear Wing Beam - TR Article 3.10.3
- 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 uppermost rear wing element adjustable positions were checked on car numbers 01, 11, 44, 16, 55, 81, 04, 14, 77 and 24.

The minimum distance between the adjacent rear wing sections at any longitudinal vertical plane was checked on car numbers 01, 11, 44, 16, 55, 81, 04, 14, 77 and 24.

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

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

The engine high rev limit bands were 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 partial load fuel mass flow of all cars was checked.

The fuel temperature of all cars was checked.

The plenum temperature was checked on all cars.

The exhaust fluid mass flow of all cars was checked.

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 torque coordinator demands were checked on all cars.

The torque control 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.

Torque sensor software version checks have been carried out on all cars.

Torque sensor calibration checks have been carried out on all cars.

The rear brakes pressure control was checked on all cars.

The steering wheel of all cars has been checked.

It was verified on all cars that the PCU dash board display configuration was not changed.

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

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

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

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                 | SR 1603                         |
| Mercedes-AMG PETRONAS Formula One Team | SR 1603                         |
| Scuderia Ferrari                       | SR 1603                         |
| McLaren Formula 1 Team                 | SR 1603                         |
| Aston Martin Aramco Formula One Team   | SR 1603                         |

|                                   |         |
|-----------------------------------|---------|
| BWT Alpine F1 Team                | SR 1604 |
| Williams Racing                   | SR 1603 |
| VISA Cash App RB Formula One Team | SR 1603 |
| Stake F1 Team Kick Sauber         | SR 1603 |
| MoneyGram Haas F1 Team            | SR 1603 |

All the above items were found to be in conformity with the 2024 FIA Formula One Technical Regulations.

**Jo Bauer**

**The FIA Formula One Technical Delegate**