2023 QATAR GRAND PRIX
06 - 08 October 2023

From: The FIA Formula One Race Director
To: All Teams, All Officials

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Title: Event Notes - Pirelli Preview V2
Description: Pirelli Preview V2
Enclosed: QAT DOC 62 - Pirelli Preview V2.pdf

Niels Wittich
The FIA Formula One Race Director
In agreement with the FIA and in accordance with Article 30.5 a) of the F1 Sporting Regulations, this document contains the prescriptions for the operation of tyres during the following event.

**Grand Prix of Qatar 06/10-08/10/2023 (23R1QAT)**

### Prescriptions

#### Pressures & camber

<table>
<thead>
<tr>
<th>Compound</th>
<th>FL</th>
<th>FR</th>
<th>RL</th>
<th>RR</th>
<th>Mandatory race tyres</th>
</tr>
</thead>
<tbody>
<tr>
<td>C1</td>
<td>1T1</td>
<td>1T2</td>
<td>1T3</td>
<td>1T4</td>
<td>C1</td>
</tr>
<tr>
<td>C2</td>
<td>2U1</td>
<td>2U2</td>
<td>2U3</td>
<td>2U4</td>
<td>C2</td>
</tr>
<tr>
<td>Intermediate</td>
<td>3V1</td>
<td>3V2</td>
<td>3V3</td>
<td>3V4</td>
<td>Q3 tyre</td>
</tr>
<tr>
<td>Wet</td>
<td>9G5</td>
<td>9G6</td>
<td>9G3</td>
<td>9G4</td>
<td>C3</td>
</tr>
</tbody>
</table>

**Cold Pressure Cooling Curve**

\[
P_{\text{front}} = (T - 70) \cdot 0.124 + P_{\text{STARTf}}
\]

\[
P_{\text{rear}} = (T - 70) \cdot 0.114 + P_{\text{STARTr}}
\]

- **Pfront**: Minimum starting pressure on the front axle [psi]
- **PREAR**: Minimum starting pressure on the rear axle [psi]
- **T**: Tyre temperature [°C]

**Maximum number of laps permitted for the race on each single set including all tyres history**: 18 laps.

Laps to the grid, formation laps and laps following the chequered flag for the Sprint and Race will not be counted. For the used sets, effective number of laps considered from previous sessions will be the total amount, reduced by 2 laps. For the sake of clarity, a document with remaining laps available for each set will be distributed to the teams.

### Compounds selection

<table>
<thead>
<tr>
<th>Compound</th>
<th>FL</th>
<th>FR</th>
<th>RL</th>
<th>RR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Slicks</td>
<td>25.0 psi</td>
<td>25.5 psi</td>
<td>22.0 psi</td>
<td>22.70 psi</td>
</tr>
<tr>
<td>Intermediate</td>
<td>21.5 psi</td>
<td>22.0 psi</td>
<td>18.5 psi</td>
<td>22.35 psi</td>
</tr>
<tr>
<td>Wet</td>
<td>21.5 psi</td>
<td>22.0 psi</td>
<td>18.5 psi</td>
<td>22.35 psi</td>
</tr>
</tbody>
</table>

**Expected stabilized running pressure**

<table>
<thead>
<tr>
<th>Compound</th>
<th>Slicks</th>
<th>Intermediate</th>
<th>Wet</th>
</tr>
</thead>
<tbody>
<tr>
<td>Camber limit</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Front</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rear</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **Minimum starting pressure**
- **Expected stabilized running pressure**
- **Camber limit**

**Maximum heating times and temperatures (tread & sidewall)**

- **Temperatures** refer to tyre tread and side wall temperatures, not blanket or controller set-point temperatures.
- **Tyres** may only be heated prior to the session in which they are intended to be used.
- **The temperatures** apply at all times during the event.

**No blankets allowed**

### Tyres notes

- Not permitted to switch tyres from their originally allocated position.
- Do not subject tyres to large deformation or heavy impact.
- Do not leave fitted tyres exposed at an air temperature lower than 10°C and/or any excessive UV emission.
- Revised prescriptions could be issued during the race weekend in accordance with TD003.
- Cut-off time for fitting tyres at an event on Sunday morning: 4 hours prior to the race start.
- Heating time temperature limits apply to the actual tyre surface temperature measured with the IR gun as detailed in the TD003.
- Cold cooling curve temperature limits apply to the tyre side wall temperature measured with the probe as detailed in TD003.
- BLANKET HEATING TIME for each temperature range to be counted from the moment the blanket control unit is set to reach its targeted temperature within its correspondent interval.

### General notes

Teams are kindly reminded that the following will be subject to FIA checks during the event:

- Starting pressures
- Cold pressures (according to the cold pressure cooling curves)
- Re-heat pressures
- EOS Camber
- Maximum tyre temperatures and times in blankets
- Tyre swapping