The FIA Formula One Race Director

To

All Teams, All Officials

Date 24 May 2023

Time 16:15

Title Event Notes - Circuit Map, Pit Lane, Red Zone and Pirelli Preview

Description Event Notes - Circuit Map, Pit Lane, Red Zone and Pirelli Preview

Enclosed MCO DOC 3 - Circuit Map Pit Lane Red Zone and Pirelli Preview.pdf

Niels Wittich

The FIA Formula One Race Director
In agreement with the FIA and in accordance with Article 24.4 a) of the F1 Sporting Regulations, this document contains the prescriptions for the operation of tyres during the following event:

Document version 2 Issue A

Grand Prix of Monaco 26/05-28/05/2023 (23R07MNC)

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

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.

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.

Prescriptions

**Presences & camber**

Minimum starting pressure

<table>
<thead>
<tr>
<th>Compound</th>
<th>FL</th>
<th>FR</th>
<th>RL</th>
<th>RR</th>
</tr>
</thead>
<tbody>
<tr>
<td>C3</td>
<td>3K1</td>
<td>3K2</td>
<td>3K3</td>
<td>3K4</td>
</tr>
<tr>
<td>C4</td>
<td>4L1</td>
<td>4L2</td>
<td>4L3</td>
<td>4L4</td>
</tr>
<tr>
<td>C5</td>
<td>5N1</td>
<td>5N2</td>
<td>5N3</td>
<td>5N4</td>
</tr>
<tr>
<td>Intermediate</td>
<td>9G1</td>
<td>9G2</td>
<td>9G3</td>
<td>9G4</td>
</tr>
<tr>
<td>Wet</td>
<td>95R</td>
<td>96R</td>
<td>97R</td>
<td>98R</td>
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</table>

<table>
<thead>
<tr>
<th>Compound</th>
<th>Mandatory race tyres</th>
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</thead>
<tbody>
<tr>
<td>Q3 tyre</td>
<td>C3</td>
</tr>
<tr>
<td>C3</td>
<td></td>
</tr>
<tr>
<td>C4</td>
<td></td>
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Expected stabilized running pressure

<table>
<thead>
<tr>
<th></th>
<th>Slicks</th>
<th>Intermediate</th>
<th>Wet</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front</td>
<td>21.0 psi</td>
<td>21.0 psi</td>
<td>18.5 psi</td>
</tr>
<tr>
<td>Rear</td>
<td>19.5 psi</td>
<td>19.5 psi</td>
<td>16.0 psi</td>
</tr>
</tbody>
</table>

Minimum starting pressure

\[
P_{\text{front}} = (T - 70) \times 0.108 + P_{\text{startf}}
\]

\[
P_{\text{rear}} = (T - 70) \times 0.112 + P_{\text{startr}}
\]

\[P_{\text{startf}}: \text{Minimum starting pressure on the front axle [psi]}\]

\[P_{\text{startr}}: \text{Minimum starting pressure on the rear axle [psi]}\]

\[T: \text{Tyre temperature \(^{\circ}\text{C}\)}\]

Camber limit

\(-2.50\degree\)

\(-3.50\degree\)

Expected stabilized running pressure

\[\geq22.5 \text{ psi}\]

\[\geq21.0 \text{ psi}\]

Maximum heating times and temperatures (tread & sidewall)

<table>
<thead>
<tr>
<th>Temperature</th>
<th>Slicks</th>
<th>Intermediate</th>
<th>Wet</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>[\text{max. 2h}]</td>
<td>[\text{max. 2h}]</td>
<td></td>
</tr>
<tr>
<td>max. 60 (^{\circ}\text{C})</td>
<td>[\text{max. 2h}]</td>
<td>[\text{max. 2h}]</td>
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<tr>
<td>70 (^{\circ}\text{C})</td>
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</tr>
</tbody>
</table>

**Cold Pressure Cooling Curve**

\[P_{\text{front}} = (T - 70) \times 0.112 + P_{\text{startf}}\]

\[P_{\text{rear}} = (T - 70) \times 0.108 + P_{\text{startr}}\]

**Tyres notes**

- 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.

**General notes**

- 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