



2023 UNITED STATES GRAND PRIX

20 - 22 October 2023

From	The FIA Formula One Race Director	Document	1
To	All Teams, All Officials	Date	18 October 2023
		Time	13:15

Title Event Notes - Pirelli Preview

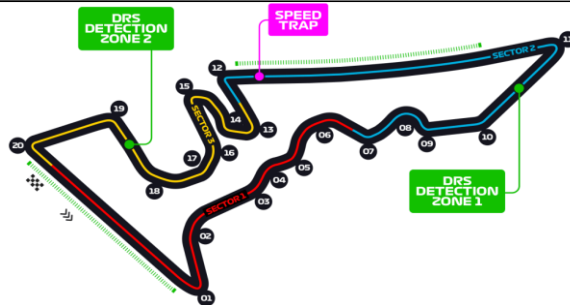
Description Pirelli Preview

Enclosed 23R19TEX Preview - Issue A.pdf

Niels Wittich

The FIA Formula One Race Director

Grand Prix of United States 20/10-22/10/2023 (23R19TEX)



Compounds selection

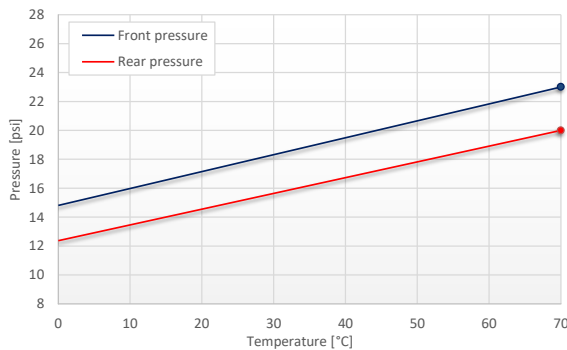
Compound	FL	FR	RL	RR	Mandatory race tyres
C2	2T1	2T2	2T3	2T4	C2
C3	3U1	3U2	3U3	3U4	C3
C4	4V1	4V2	4V3	4V4	
Intermediate	9G5	9G6	9G3	9G4	Q3 tyre
Wet	95R	96R	97R	98R	C4

Prescriptions

Pressures & camber

	Minimum starting pressure			Expected stabilized running pressure	Camber limit
	Slicks	Intermediate	Wet		
Front	23.0 psi	24.0 psi	21.5 psi	≥25.5 psi	-3.00°
Rear	20.0 psi	21.0 psi	18.5 psi	≥22.5 psi	-1.75°

Cold Pressure Cooling Curve



$$P_{front} = (T - 70) \cdot 0.117 + P_{startf}$$

$$P_{rear} = (T - 70) \cdot 0.109 + P_{startr}$$

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

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

T: Tyre temperature [°C]

Maximum heating times and temperatures (tread & sidewall)

Temperature	0	60	70 (°C)
Slicks	max. 2h		
Intermediate	max. 2h		
Wet	No blankets allowed		

- 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.

Tyres notes

<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • 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.
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General notes

<p>Teams are kindly reminded that the following will be subject to FIA checks during the event:</p> <ul style="list-style-type: none"> • 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
