Porsche Mobil 1 Supercup starts the season with renewable fuels

19/05/2021 The new Porsche Mobil 1 Supercup season kicks off this weekend as support to the Monaco Grand Prix.

The preview

The new 992-generation 911 GT3 Cup makes its racing debut in Porsche's international one-make cup on the famous street circuit of Monaco. This year's Porsche Mobil 1 Supercup, now heading into what will be its 29th season, includes eight races run as support to the FIA Formula One World Championship. For the first time, the car's ca. 375 kW (510 hp) four-litre naturally aspirated engine will run on Esso Renewable Racing Fuel, a blend of fuels predominantly made from renewable, bio-based components. The switch to eFuel, which is based on hydrogen produced using renewable electricity, is planned over the course of the 2022 season. The goal of the cooperation between Porsche and ExxonMobil, who make the e-fuel, is to gain valuable experience in finding pathways towards potential future consumer adoption.

"The Porsche Mobil 1 Supercup heads into the 2021 season with two highlights. We start the season in Monaco for the first time. Given that we aren't allowed to test on this very special racetrack and the fact that it leaves no room for mistakes is a huge test for the new Porsche 911 GT3 Cup. Plus, this is the first time we're using the new Esso Renewable Racing Fuel from our partner ExxonMobil. The teams and drivers are super excited. In terms of lap times, the field is extremely close, which was underlined at the tests in Monza, Italy. I think we'll witness the most gripping season-opener in Supercup history," says Oliver Schwab, Project Manager Porsche Mobil 1 Supercup.

Larry ten Voorde (Netherlands, Team GP Elite) tackles the Monaco round as the reigning champion. His rivals include last year's vice-champion Dylan Pereira (Luxembourg) and Porsche Junior Ayhancan Güven (Turkey, both BWT Lechner Racing) as well as the title defenders of the rookie and ProAm classes, Max van Splunteren (Netherlands, Team GP Elite) and Roar Lindland (Norway, Nebulus Racing by Huber). Joining the newcomers is 20-year-old Harry King (Great Britain, Parker Revs Racing), who receives support from Porsche GB as the reigning champion of the Porsche Carrera Cup Great Britain.

Porsche and ExxonMobil are implementing a two-stage strategy in the introduction of renewable fuels in the Porsche Mobil 1 Supercup. This season, the racing vehicles will be powered by a blend of advanced bio-based fuel obtained from food waste products. Additional components are blended in to enable the required fuel properties and combustion behaviour. In 2022, the next step will be to introduce eFuel synthetically manufactured in the Haru Oni pilot facility in Chile. This Esso Renewable Racing Fuel is anticipated to reduce greenhouse gasemissions by up to 85 per cent, when blended to

current market fuel standards for today's passenger vehicles.

The season opening round of the Porsche Mobil 1 Supercup takes off on Sunday (23 May 2021) at 10:20 CEST. Eurosport and Sky Sport along with the streaming service f1tv.formula1.com will provide live broadcasts. Fans can also follow the Porsche Mobil 1 Supercup action on Twitter, Instagram and Facebook.

The schedule (all times CEST)

Thursday, 20 May
17:15 – 18:00: Free practice

Friday, 21 May
10:00 – 10:30: Qualifying

Sunday, 23 May
10:20: Race (17 laps)

Main technical specifications: Porsche 911 GT3 Cup (992)

Engine
Water-cooled six-cylinder boxer rear engine; displacement 3,996 cm3; ca. 375 kW (510 hp) at 8,400 rpm; max. torque 470 Nm at 6,150 rpm; max. rpm 8,750; fuel: Esso Renewable Racing Fuel.

Transmission
Porsche six-speed sequential dog-type gearbox; paddle shift with electronic shift barrel actuator; mechanical limited slip differential.

Body
Lightweight body featuring intelligent aluminium-steel composite design; welded-in roll-cage; doors, rear cover and rear wing made of CFRP; rear wing with 'swan neck' mounting; 110-litre FT3 safety fuel cell. Multifunctional CFRP motorsport steering wheel with quick-release coupling, shift paddles and illuminated push buttons; fire extinguisher system with electronic release unit.

Suspension
Forged aluminium control arms and top mounts; wheel hubs with centre-lock wheel nut; double-blade-type adjustable anti-roll bars; tyre pressure monitoring system. Front axle: double wishbone suspension. Rear axle: multi-link suspension.

Brake system
Two independent brake circuits, driver adjustable brake force distribution via brake balance system.

Front axle: six-piston aluminium monobloc racing brake callipers; ventilated 380 mm steel brake discs; aluminium brake disc chamber. Rear axle: four-piston aluminium monobloc racing brake callipers; ventilated 380 mm steel brake discs mounted on aluminium disc bells.

Wheels / Tyres
Front axle: alloy wheels 12J x 18; tyre dimension 30/65-18. Rear axle: alloy wheels 13J x 18; tyre dimension 31/71-18.

Weight / Dimensions
Base weight: ca. 1,260 kg; length: 4,585 mm; width: 1,920 mm (front axle) / 1,902 mm (rear axle); wheelbase: 2,459 mm.

Calendar Porsche Mobil 1 Supercup 2021

Event	**Date**	**Racetrack**
Round 1	20 – 23 May	Monaco
Round 2	25 – 27 June	Le Castellet (France)
Round 3	2– 4July	Spielberg (Austria)
Round 4	16 – 18 July	Silverstone (England)
Round 5	30 July – 1 August	Budapest (Hungary)
Round6	27 – 29 August	Spa-Francorchamps (Belgium)
Round 7	3 – 5 September	Zandvoort (Netherlands)
Round 8	10 – 12 September	Monza (Italy)

Link Collection

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