



RACEGUIDE

2024 FIA WEC



6 HOURS OF IMOLA

Round 2, 2024 FIA World Endurance Championship (FIA WEC)

IMOLA (ITALY)

NEW FIA WEC RACE



#WeRaceForChange

FRIDAY
APRIL

19

Free Practice 1
12:00pm
(90 minutes)

Free Practice 2
5:15pm
(90 minutes)

SATURDAY
APRIL

20

Free Practice 3
11:10am (60 minutes)

Hypercar Qualifying
3:25pm (12 minutes)

Hypercar Hyperpole
3:45pm (10 minutes)

SUNDAY
APRIL

21

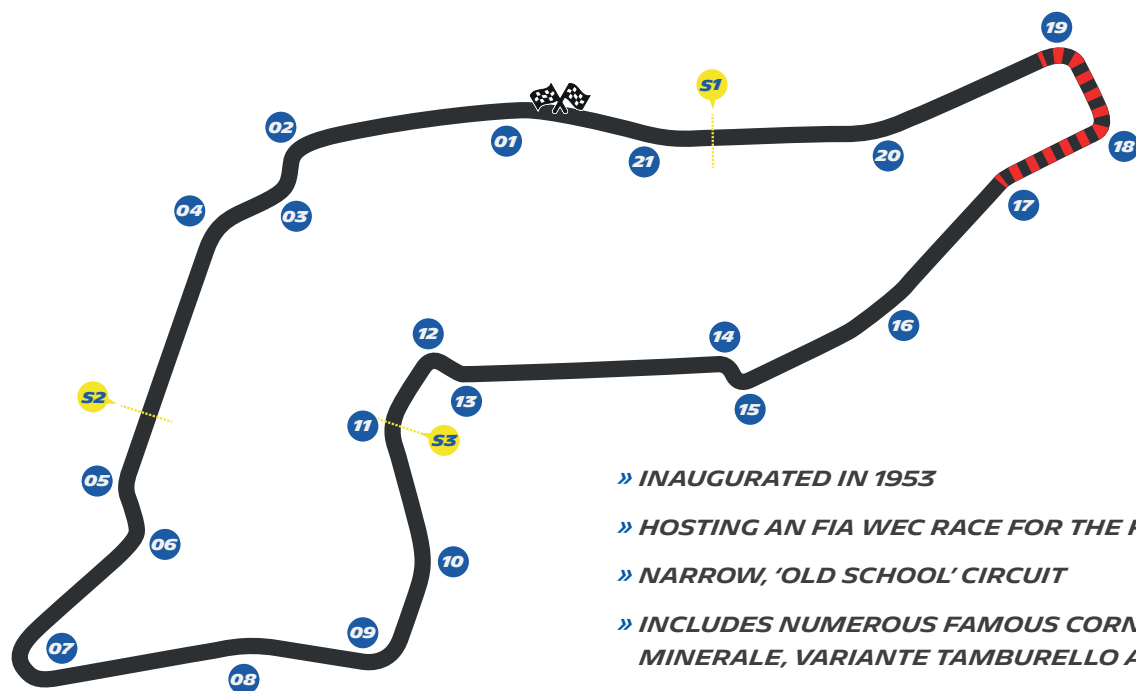


1:00pm
Start

Local time • SOURCE : fiawec.com - information subject to change



AUTODROMO INTERNAZIONALE ENZO E DINO FERRARI



1ST RUNNING

37
ENTRIES

- » INAUGURATED IN 1953
- » HOSTING AN FIA WEC RACE FOR THE FIRST TIME
- » NARROW, 'OLD SCHOOL' CIRCUIT
- » INCLUDES NUMEROUS FAMOUS CORNERS, LIKE ACQUE MINERALE, VARIANTE TAMBURELLO AND VARIANTE ALTA

4.909KM

21
TURNS | 9 RIGHT
12 LEFT

ANTICLOCKWISE



PIERRE ALVES

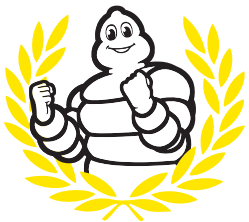
Endurance Racing Manager,
Michelin Motorsport



Round 2 of the 2024 FIA WEC takes us to another new venue – Autodromo Enzo e Dino Ferrari – where our MICHELIN Pilot Sport tires face another tough test. For the first time, our slicks for the 19 Hypercars will feature new sidewall markings. In this way, spectators will be able to see what compounds are being run, whether the cars are at a standstill or moving. In Italy, the stripes will be yellow and red, denoting our medium and hard versions respectively. In contrast to Qatar, Imola doesn't make big energy-related demands. It's a

// **WE EXPECT
TO SEE THE
MEDIUM USED
PREDOMINANTLY**

narrow, bumpy old-school track with few opportunities for overtaking. The Acqua Minerali sequence – Turns 11 to 13 – is where the cars lean the hardest on their tires, with the left-hand covers having to cope with loads in excess of 900kg at 200kph. The longitudinal and lateral forces at play are evenly balanced and, with the temperature likely to be around 15°C to 20°C at this time of the year, we expect to see the medium used predominantly. That said, some teams might try to triple-stint the hard compound...



MICHELIN'S FIA WEC RECORD

**86
WINS**

WITH 6 DIFFERENT MAKES
including Toyota (45 wins), Audi and Porsche (18)
WITH 42 DIFFERENT DRIVERS
including Buemi (24 wins), Hartley (21), Nakajima and
Conway (17 each)

**11
MANUFACTURERS'
WORLD TITLES**

**11
DRIVERS'
TITLES**



THE MICHELIN PILOT SPORT RANGE FOR IMOLA

HYPERCAR

NEW LABELING

All 19 Hypercar prototypes on Michelin tires



The MICHELIN Pilot Sports raced by today's sophisticated Hypercar prototypes was developed on simulators in the space of just months. Michelin has since continued to work on its reliable, high-performance range

of endurance racing tires in response to the demand for superior longevity inline with Michelin's Everything Sustainable plan.

The regulations for the 2024 FIA World Endurance Championship restrict the number of different slick specifications to just two (three for Le Mans), plus a single type of rain tire. Tire warming systems are no longer authorized.

These two parameters have led Michelin Motorsport's engineers to work on the compounds of its slicks to make them even more versatile and enhance their warm-up performance.

Meanwhile, the single type of rain tire needs to cover a broad spectrum of conditions, from damp and drying, to heavy rain. The resulting solution combines a tread pattern with greater versatility.

All of the Hypercar prototypes (LMH/LMDh) race on MICHELIN Pilot Sports, front: 29/71-18, rear 34/71-18.



SLICKS

Medium
yellow
dry conditions

Hard
red
dry conditions
high track temperatures
big constraints

RAIN TIRE

Rain
blue
soft compound
wet conditions
versatile

SLICK ALLOCATIONS

Free Practice	12 tires
Hyperpole	4 tires
Qualifying + Race	18 tires

SIZES: FRONT: 29/71-18 • REAR: 34/71-18

Width (cm) / Exterior Diameter (cm) – Interior Diameter (inches)

TECHNICAL REQUIREMENTS

Minimum FRONT Stabilized Relative Pressure 1.8bar	26.1psi
Minimum REAR Stabilized Relative Pressure 1.8bar	26.1psi
Maximum FRONT camber at static ride height*	-1.0°
Minimum FRONT camber at static ride height*	-3.0°
Minimum REAR camber at static ride height*	-2.3°
Maximum REAR camber at static ride height*	-1.0°

(*): For example, if the minimum static camber angle is -3°, competitors may run at -2.5° but not at -3.5°



HYPERCAR

MICHELIN PARTNERS

A FIELD OF 19 HYPER PROTOTYPES REPRESENTING 9 MANUFACTURERS

#2 CADILLAC RACING

Cadillac V-Series.R (LMDh)



E. BAMBER
 A. LYNN

#11 ISOTTA FRASCHINI

Isotta Fraschini Tipo6-C (LMH)*



A. SERRAVALLE
 C. BENNET
 J-K. VERNAY

#5 PORSCHE PENSKE MOTORSPORT

Porsche 963 (LMDh)



M. CAMPBELL
 M. CHRISTENSEN
 F. MAKOWIECKI

#6 PORSCHE PENSKE MOTORSPORT

Porsche 963 (LMDh)



K. ESTRE
 A. LOTTERER
 L. VANTHOOR

#7 TOYOTA GAZOO RACING

Toyota GR010 Hybrid (LMH)



M. CONWAY
 K. KOBAYASHI
 N. DE VRIES

#8 TOYOTA GAZOO RACING

Toyota GR010 Hybrid (LMH)



S. BUEMI
 B. HARTLEY
 R. HIRAKAWA

#12 HERTZ TEAM JOTA

Porsche 963 (LMDh)



W. STEVENS
 C. LLOTT
 N. NATO

#38 HERTZ TEAM JOTA

Porsche 963 (LMDh)



J. BUTTON
 P. HANSON
 O. RASMUSSEN

#15 BMW M TEAM WRT

BMW M Hybrid V8 (LMDh)*



D. VANTHOOR
 R. MARCELLO
 M. WITTMANN

#20 BMW M TEAM WRT

BMW M Hybrid V8 (LMDh)*



S. VAN DER LINDE
 R. FRIJNS
 R. RAST

#35 ALPINE ENDURANCE TEAM

Alpine A424 (LMDh)*



P-L. CHATIN
 J. GOUNON
 C. MILES

#36 ALPINE ENDURANCE TEAM

Alpine A424 (LMDh)*



N. LAPIERRE
 M. SCHUMACHER
 M. VAXIVIERE

#50 FERRARI AF CORSE

Ferrari 499P (LMH)



A. FUOCO
 M. MOLINA
 N. NIELSEN

#51 FERRARI AF CORSE

Ferrari 499P (LMH)



A. PIER GUIDI
 J. CALADO
 A. GIOVINAZZI

* FIA WEC debut



HYPERCAR**MICHELIN PARTNERS**

A FIELD OF 19 HYPER PROTOTYPES REPRESENTING 9 MANUFACTURERS

#63 LAMBORGHINI IRON LINX

Lamborghini SC63(LMDh)*



M. BORTOLOTTI
 E. MORTARA
 D. KVYAT

#83 AF CORSE

Ferrari 499P (LMH)



R. KUBICA
 R. SHWARTZMAN
 Y. YIFEI

#93 PEUGEOT TOTALENERGIES

Peugeot 9X8 (LMH)

**2024 VERSION**

M. JENSEN
 N. MÜLLER
 J-É. VERGNE

#94 PEUGEOT TOTALENERGIES

Peugeot 9X8 (LMH)

**2024 VERSION**

P. DI RESTA
 L. DUVAL
 S. VANDOORNE

#99 PROTON COMPETITION

Porsche 963 (LMDh)



H. TINCKNELL
 N. JANI
 J. ANDLAUER

* FIA WEC debut

THE MICHELIN-EQUIPPED HYPERCAR PROTOTYPES

VOITURE	POWER UNIT	POWER	TRANSMISSION
TOYOTA GRO10 HYBRID (LMH)	3.5-liter V6 bi-turbo + Toyota Hybrid System (front wheels)	500kW + 200kW	four-wheel drive, seven-speed Xtrac sequential gearbox
PEUGEOT 9X8 (LMH)	2.5-liter V6 bi-turbo + Peugeot MGU (front wheels)	500kW + 200kW	four-wheel drive, seven-speed Sadev sequential gearbox
FERRARI 499P (LMH)	3-liter V6 bi-turbo + hybrid system (front wheels)	500kW + 200kW	four-wheel drive, seven-speed Xtrac sequential gearbox
ISOTTA FRASCHINI TIPO6-C (LMH)	V6 turbo + MGU (front wheels)	500kW + 200kW	four-wheel drive, seven-speed Xtrac sequential gearbox
PORSCHE 963 (LMDh)	4.6-liter V8 bi-turbo + Bosch MGU (rear wheels)	500kW + 50kW	two-wheel drive, seven-speed Xtrac sequential gearbox
CADILLAC V-SERIES.R (LMDh)	5.5-liter V8 + Bosch MGU (rear wheels)	500kW + 50kW	two-wheel drive, seven-speed Xtrac sequential gearbox
ALPINE A424 (LMDh)	3.4-liter V6 turbo + Bosch MGU (rear wheels)	500kW + 50kW	two-wheel drive, seven-speed Xtrac sequential gearbox
BMW M Hybrid V8 (LMDh)	4-liter V8 bi-turbo + Bosch MGU (rear wheels)	477kW + 50kW	two-wheel drive, seven-speed Xtrac sequential gearbox
LAMBORGHINI SC63 (LMDh)	3.8-liter V8 bi-turbo + Bosch MGU (rear wheels)	500kW + 50kW	two-wheel drive, seven-speed Xtrac sequential gearbox





MICHELIN STATISTIC

In Qatar, Kevin Estre and Laurens Vanthoor took the number of different FIA World Endurance Championship winners with Michelin to 42, while Matt Campbell took the number of different pole-winners and fastest race-lap setters on Michelin tires to 9 and 26 respectively. Porsche claimed its 18th FIA WEC win to exceed the score of Audi.



HYPERCAR STANDINGS

FIA WORLD ENDURANCE HYPERCAR CHAMPIONSHIP

MANUFACTURERS		R1 25/02	R2 02/03	R3 21/04	R4 11/05	R5 15-16/06	R6 14/07	R7 1/09	R8 1/09	TOTAL
1 ^{er}	PORSCHE									39
2 ^e	TOYOTA									23
3 ^e	FERRARI									18

DRIVERS		R1 25/02	R2 02/03	R3 21/04	R4 11/05	R5 15-16/06	R6 14/07	R7 1/09	R8 1/09	TOTAL
1 ^{er}	ANDRÉ LOTTERER									38
1 ^{er}	KÉVIN ESTRE									38
1 ^{er}	LAURENS VANTHOOR									38
2 ^e	CALLUM ILOTT									27
2 ^e	NORMAN NATO									27
2 ^e	WILL STEVENS									27
3 ^e	FRÉDÉRIC MAKOWIECKI									24
3 ^e	MATT CAMPBELL									24
3 ^e	MICHAEL CHRISTENSEN									24

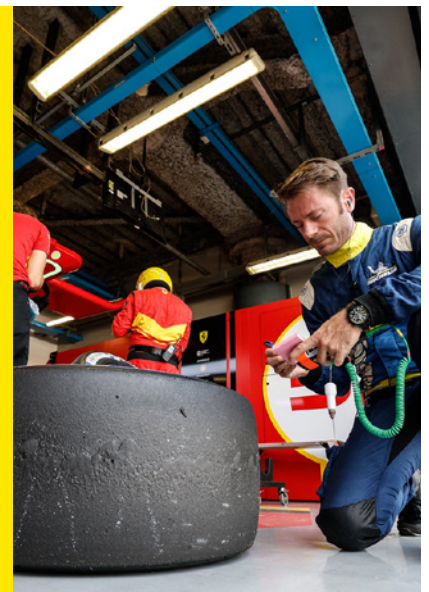
ENDURANCE RACING: AN INNOVATION ACCELERATOR FOR MICHELIN

Michelin sees motorsport in general, and endurance racing and the Le Mans 24 Hours in particular, as a means to accelerate innovation. The proportion of sustainable raw materials that go into MICHELIN Pilot Sport endurance-racing rain tires stands at 45 percent.

In 2021, Michelin presented a demonstration tire containing 46 percent recycled/renewable raw materials for the MissionH24 hydrogen fuel-cell racing prototype.

Since last season, the Full Wet rain tires actually raced by endurance racing's Hypercar prototypes incorporate 45 percent sustainable materials.

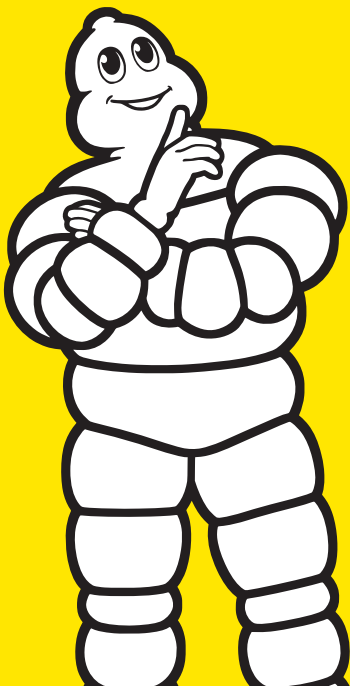
Motorsport is one of the driving forces behind Groupe Michelin's Everything Sustainable plan for 2050.





GREEN GUIDE

Make the most of your journey to northern Italy which boasts attractions ranging from the Ligurian and Adriatic coasts to the Alps. Its varied, magical landscapes, heritage, wine and gastronomic delights have long been big draws for visitors.



IMOLA AND EMILIA-ROMAGNA

- » Imola (population: 69,000) is situated in Italy's Emilia-Romagna region and is part of the Metropolitan City of Bologna
- » Imola sits on the Roman road Via Aemilia, completed in 187 BC to connect Placentia with Rimini
- » The Emilia-Romagna region is one of Europe's richest in terms of its heritage, art, culture, tourism, industry, gastronomy, etc.
- » Bologna, Parma, Rimini, Modena, Ravenna and Ferrara are popular travel destinations, famed for their art and history



- » Ferrari, Lamborghini, Pagani, Maserati and Ducati are all based in Emilia-Romagna

MICHELIN MOTORSPORT AND IMOLA



- » Prior to the FIA WEC's creation, Michelin came 1st and 2nd at the 2011 6 Hours of Imola with the Peugeot 908 HDi FAP. Anthony Davidson (#7 Peugeot) qualified on pole position (1m31.736s) and clocked the highest speed (300.8kph)
- » Michelin tires have won Formula 1's San Marino Grand Prix at Imola four times and scored seven motorcycling GP500 victories

- » Michelin's first victory at Imola was the 1977 Nations Motorcycle Grand Prix, with Barry Sheene (Suzuki)
- » In 1981, Michelin won at Imola in both F1 (Nelson Piquet/Brabham-Ford Cosworth) and MotoGP500 (Marco Lucchinelli, Suzuki)
- » Numerous world champions have won at Imola on Michelin rubber, from Nelson Piquet, Alain Prost and Fernando Alonso, to Barry Sheene, Marco Lucchinelli, Eddie Lawson, Mick Doohan and Alex Criville
- » In 2001, Ralf Schumacher claimed his first F1 win at Imola with Williams-BMW/Michelin



WHAT'S NEW IN 2024

CLASSES

Only two classes: Hypercar and LMGT3

The Hypercar class covers LMH (hybrid and non-hybrid) and LMDh (hybrid) prototypes

LMH prototypes: Toyota GR010 Hybrid, Peugeot 9X8, Ferrari 499P, Isotta Fraschini Tipo6-C

LMDh prototypes : Porsche 963, Cadillac V-Series.R, Alpine A424, BMW M V8 Hybrid, Lamborghini SC63

VENUES

2 new venues:

Losail (Qatar), Imola (Italy)

2 returning venues:

Sao Paulo (Brazil), CoTA (USA)

QUALIFYING

New format,

with two sessions per class: Qualifying (12 minutes), followed by a Hyperpole shootout, featuring the 10 fastest cars from Qualifying (10 minutes).

2024 CALENDAR

R1	QATAR 1812 KM (Qatar, Losail)	March 2
R2	6 HOURS OF IMOLA (Italy)	April 21
R3	6 HOURS OF SPA-FRANCORCHAMPS (Belgium)	May 11
R4	LE MANS 24 HOURS (France)	June 15-16
R5	6 HOURS OF SAO PAULO (Brazil)	July 14
R6	LONE STAR LE MANS (Texas, USA)	September 1
R7	6 HOURS OF FUJI (Japan)	September 15
R8	8 HOURS OF BAHRAIN (Sakhir)	November 2

FIA WEC TIRE REGULATIONS

SPECIFICATIONS

Number of specifications for dry-weather tires			Number of specifications for wet-weather tires
Le Mans 24 Hours	Other races	Total over the season	
3	2	3	1

Two slick specifications for the season for all cars, to be registered 48 hours before the Prologue Test. For individual races, two of the three specifications to be nominated 48 hours at the latest prior to the start of scrutineering (three specifications for Le Mans).

ALLOCATIONS

Free Practice	Hyperpole*	Qualifying + Race		
		6-hour races	8-hour races	10-hour races*
12	4	18	26	32

(*) Or of 1812km.

(**) Only the softest tire proposed by the tire manufacturer for this competition will be used for Hyperpole.

- The tire manufacturer must establish identical technical requirements (pressure and camber) for all the Competitors. The non-respect of these requirements by the Competitors may be penalized by the Panel of the Stewards.

- For 29/34 tires: a random draw will be made per Competition and tires will be reattributed randomly to each Competitor by the Technical Delegates. These tires must be used in the "Qualifying + Race" allocation. The details will be defined by the WEC Committee.

- For 31/31 tires: a mechanism of collection and reintroduction of the tires will be defined by the WEC Committee.

- The WEC Committee will be able to modify the random attribution mechanism and the tire collection and reintroduction mechanism at any moment during the season.

- To go from the pit lane to the starting grid before the start of the race, the tires used can be either dry-weather

tires or wet-weather tires and will not be counted in the allocation.

RAIN TIRES

The number of wet-weather tires usable during a Competition is not limited. During practices and the race, wet-weather tires can only be used once the track has been declared wet by the Clerk of the Course / Race Director.

Any chemical and/or mechanical treatment of the tires is prohibited, except for the removal of debris collected on the track.

The tread and profile of the tires must not be modified or recut.

Any process that involves a direct or indirect attempt at modifying the temperature of a tire (compared to the ambient temperature) is forbidden.

Use of storage tents in designated areas is permitted only if they are always ventilated with ambient air and accessible.

Infringement of the tire allowance: Stop & Go of 2 minutes per tire.

Infringement of the tire heating rules: Stop & Go of 3 minutes during the race.

Four mechanics and two tire guns allowed for wheel changes during pit stops. Wheel changes are only allowed when the car is not being refueled.

Only one tire technician is allowed to measure tire temperatures and pressures.

Tire changes may only be carried out on the starting grid up to the five-minute board, in front of the garage or inside the garage if significant work is being undertaken on the car, on the track in the case of a suspension of the race.

Each tire must be identified by RFID and barcode. All references must be declared to the Technical Delegate at least 48 hours before the start of the Competition.

24h
LE MANS®



PARTENAIRE PREMIUM

**MICHELIN PILOT SPORT,
THE WINNING TIRE AT LE MANS
SINCE 1998!**



LATARCK

CONGRATULATIONS TO A. PIER GUIDI, J. CALADO, A. GIOVINAZZI
1ST, 2023 LE MANS 24 HOURS / #51 FERRARI AF CORSE

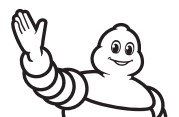


MICHELIN PILOT SPORT

The winning tire range with 32 victories at Le Mans 24 Hours, including 26 consecutive since 1998!

You too can benefit from the exceptional grip and precision of MICHELIN Pilot Sport tires on the road.

#PerformanceMadeToLast #WeRaceForChange



MICHELIN

MICHELIN Pilot Sport (Winner of the Le Mans 24 Hours 2023),
MICHELIN Pilot Sport 4S, MICHELIN Pilot Sport 5