



# RACEGUIDE

2023 FIA WEC

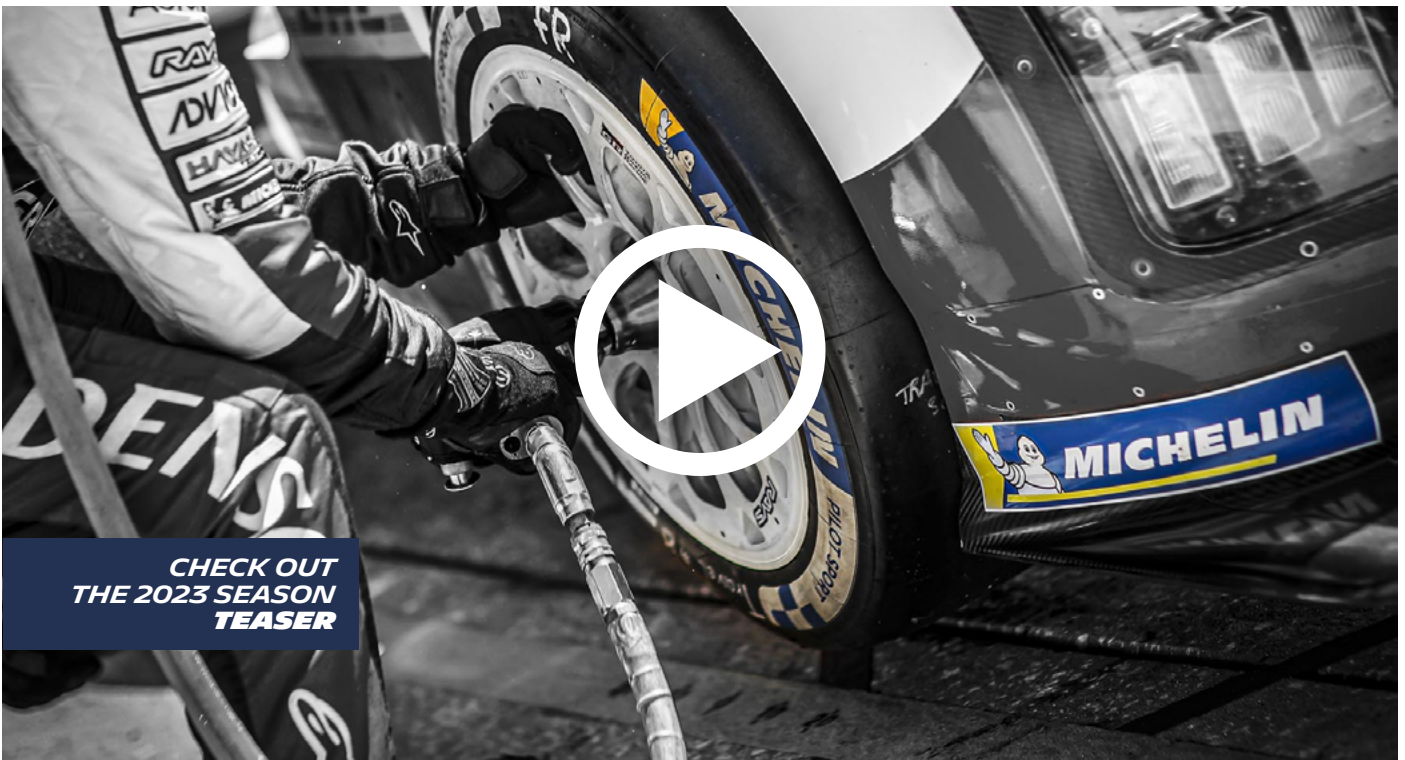


**MARCH 17**



FLORIDA  
(USA)

# 1000 MILES OF SEBRING



CHECK OUT  
THE 2023 SEASON  
TEASER



## MICHELIN STATISTIC

Michelin has claimed **20 victories at Sebring** (12 Hours + 1000 Miles).

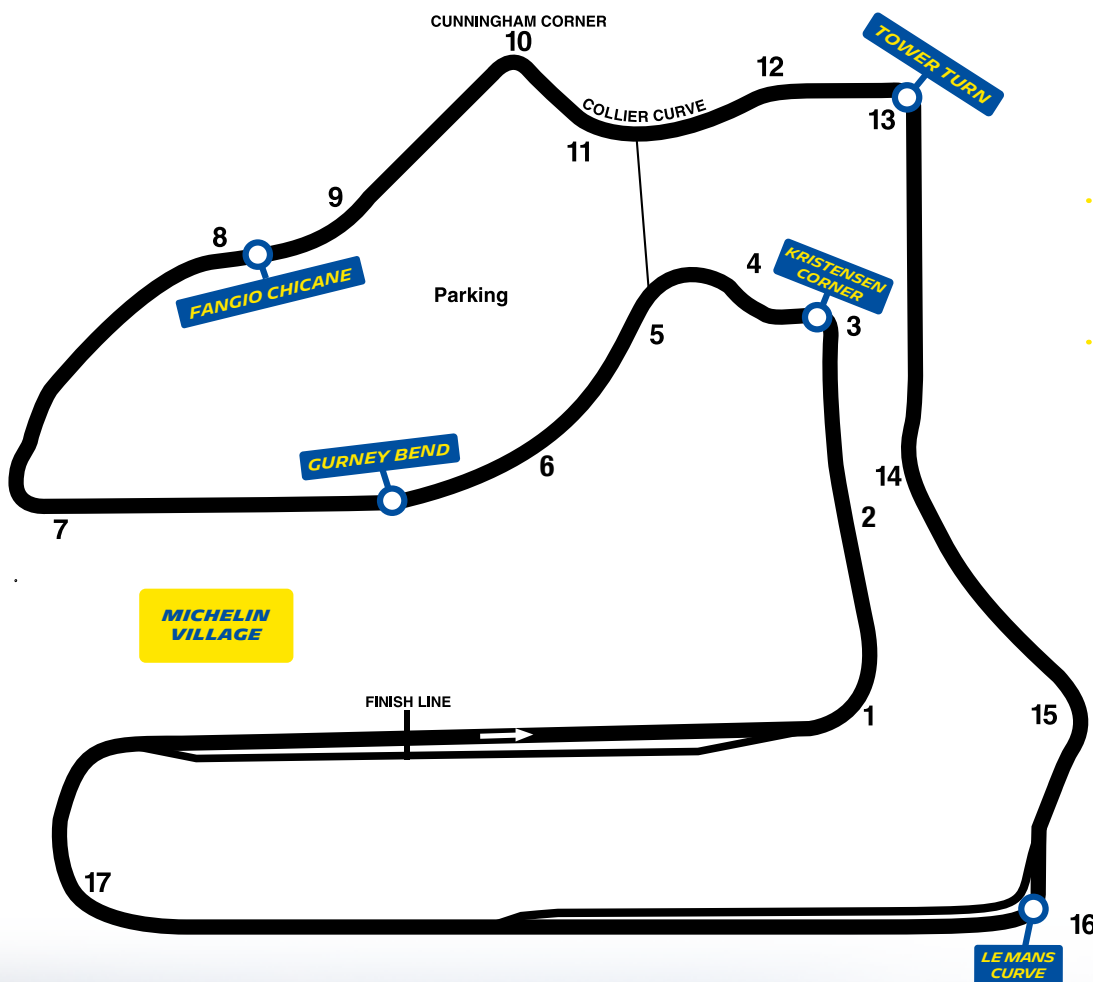
It has won at the Sebring International Raceway with seven different carmaker partners: Audi, BMW, Porsche, Peugeot, Cadillac, Toyota and Alpine.

**#PERFORMANCE MADE TO LAST**



# THE CIRCUIT

SEBRING INTERNATIONAL RACEWAY



**MICHELIN VILLAGE**

**6.019KM**

**17 TURNS**

**CLOCKWISE**

» ONE OF THE USA'S OLDEST PERMANENT RACE FACILITIES

» FAST AND BUMPY, WITH A MIX OF CONCRETE AND ASPHALT PORTIONS



# EXPERT OPINION

## **ALLAN McNISH**

Three-time Le Mans 24 Hours winner

2013 FIA World Endurance Champion

Four-time 12 Hours of Sebring winner

(2004, 2006, 2009 and 2012)

"A new era is here with the Hypercar class having the legendary names of Porsche, Toyota, Peugeot, Glickenhaus and Cadillac all battling for overall honors at the start of the new FIA WEC season."

"It is a great time for us all - the teams, manufacturers, drivers and especially the fans. Well, we are actually all fans in the Sportscar paddock."

"I know this new category will give us some great racing, by pushing the manufacturers, teams and drivers to the absolute limit searching for new ways to go faster for longer, to find new solutions and break new ground with new technologies, with one objective...to win the race."

"The track is bumpy with different surfaces ranging from asphalt to concrete with some corners a patchwork of both, add in Floridian sun baking the surface to over 40°C, it creates a tough track which is a real test for the driver, car and tires. A tire has to withstand incredible abuse at Sebring, changing surfaces from concrete to

## “ MICHELIN TIRES GAVE ME THE CONFIDENCE TO PUSH TO THE LIMIT ”

asphalt, searing Floridian heat, sand and debris."

"My father Bert always reminded me, "to finish first, first you have to finish", so in Sebring you first of all need a reliable car, and I also mean one you can trust over the difficult bumps and track surfaces, as well as not changing too much in feel over the race distance. A tire that

gives good, consistent grip and feedback to the driver over multiple stints; a trained, sharp pit stop crew that performs under pressure; a good physio to repair the driver's body after a long stint behind the wheel; and good strategic agility to take into account everything Sebring will throw at you over the race distance."

"I won my four Sebring 12 Hours including the first-ever FIA WEC race at Sebring in 2012 withMichelins on my Audi. They gave me the confidence to push to the limit in the most extreme test in Sportscar racing, but that made the late night podium celebrations even more memorable."



## THE 2022 RACE



- » **Winners:** Negrão/Lapierre/Vaxivière (Alpine A480/Michelin), 194 laps
- » **Pole-position:** Nicolas Lapierre (Alpine A480/Michelin), 1m47.407s
- » **Fastest race lap:** Matthieu Vaxivière (Alpine A480/Michelin, 1m49.033s)
- » **Top speed:** Kamui Kobayashi (Toyota GR010 Hybrid/Michelin), 299.9kph
- » First international endurance-race win for Alpine and Michelin in 44 years
- » The winning Alpine A480 raced for the first time on Michelin tires developed for the hypercar prototypes
- » Porsche's victory in LMGTE Pro with the latest MICHELIN Pilot Sport tire range

# 1,000 MILES OF SEBRING (FIA WEC) <sup>3<sup>RD</sup> EDITION</sup>

» ROUND 1, 2023 FIA WORLD ENDURANCE CHAMPIONSHIP (FIA WEC)



**37 ENTRIES**

**RACE DISTANCE:** **1,609.34 KM** OR **8 HOURS MAXIMUM**

## TIMETABLE

Local time

WEDNESDAY, MARCH 15	
10:55am	Free Practice 1 (90 minutes)
4:35pm	Free Practice 2 (90 minutes)
THURSDAY, MARCH 16	
11:55am	Free Practice 3 (60 minutes)
6:30pm	LMGTE Qualifying (10 minutes)
7:20pm	Hypercar Qualifying (10 minutes)
FRIDAY, MARCH 17	
12:00 noon	Start, 1000 Miles of Sebring

**START**  
**FRIDAY,**  
**MARCH 17**  
**AT 12:00**  
**NOON**

SOURCE: fiaewc.com  
Informations susceptibles d'être modifiées



### PIERRE ALVES

Endurance Racing Manager, Michelin Motorsport

"The circuit at Sebring uses a former US Army airfield and features a mix of different surface types, from concrete, to old and - in places - recent asphalt. The switches between the concrete slabs make this track very bumpy, but it is also very fast, and that makes car set-up a complex job. Our partners in the hypercar class have a new range of MICHELIN Pilot Sport Slicks, featuring new compounds, and their rain tires have a new pattern. The two Prologue test days gave us a chance to evaluate our 2023 range as the LMDh prototypes join the hypercar runners. The challenge for our technical advisors has been to examine our two compound options carefully after use in order to pinpoint their respective operating windows car by car in readiness for the 1000 Miles of Sebring."

THE HYPERCAR CLASS HAS A NEW RANGE OF SLICKS, AND THEIR RAIN TIRES HAVE A NEW PATTERN



# THE MICHELIN RANGE 1,000 MILES OF SEBRING

25 OF THE 37 CARS  
RACING ON MICHELIN TIRES

**HYPERCAR**

**LM GTE AM**

A new range of MICHELIN Pilot Sport Slicks.

Michelin tires are the preferred choice of all the LMGTE Am teams



**SLICKS**  
SOFT HOT, MEDIUM

**SLICKS**

**Soft hot:** for average-wearing or 'rubbered' track surfaces, temperatures in excess of 15°C (core range tyre).

**Medium:** abrasive track surfaces, demanding track configurations, temperatures in excess of 30°C.



**WET**  
FULL WET

**WET-WEATHER TIRES**

Tires for light to heavy rain..

**SIZES AVAILABLE:**

29/71-18 • 31/71-18 • 34/71-18

Width (cm) / exterior diameter (cm) x interior diameter (inches).



**SLICK**  
SOFT HOT, MEDIUM

**SLICKS**

**Soft hot:** core range tyre, temperatures between 15 and 35°C.

**Medium:** for abrasive track surfaces and/or temperatures in excess of 30°C.



**WET**  
DRYING WET AND FULL WET

**RAIN TIRES**

**'Drying' Wets and Full Wets:** a broad operating window and the same tread pattern, but a different construction.

Only those tire specifications nominated for the 2022 championship may be used in 2023.

**SIZES AVAILABLE:**

Front: 30/68-18 • Rear: 31/71-18


Width (cm) / exterior diameter (cm) x interior diameter (inches).

**SLICKS ALLOCATION**

	<b>HYPERCAR</b>	<b>LM GTE AM</b>
Free Practice	12 tires	16 tires
Qualifying + Race	26 tires	34 tires



### HYPERCAR

<b>N°2</b>	CADILLAC RACING	Cadillac V-LMDh	BAMBER/LYNN/WESTBROOK	
<b>N°4</b>	FLOYD VANWALL RACING TEAM 0	Vanwall Vandervell 68	DILLMANN/GUERRIERI/VILLENEUVE	
<b>N°5</b>	PORSCHE PENSKE MOTORSPORT	Porsche 963	CAMERON/CHRISTENSEN/MAKOWIECKI	
<b>N°6</b>	PORSCHE PENSKE MOTORSPORT	Porsche 963	ESTRE/LOTTERER/VANTHOOR	
<b>N°7</b>	TOYOTA GAZOO RACING	Toyota GR010 Hybrid	CONWAY/KOBAYASHI/LOPEZ	
<b>N°8</b>	TOYOTA GAZOO RACING	Toyota GR010 Hybrid	BUEMI/HARTLEY/HIRAKAWA	
<b>N°50</b>	FERRARI AF CORSE	Ferrari 499P	FUOCO/MOLINA/NIELSEN	
<b>N°51</b>	FERRARI AF CORSE	Ferrari 499P	PIER GUIDI/CALADO/GIOVINAZZI	
<b>N°93</b>	PEUGEOT TOTALENERGIES	Peugeot 9X8	DI RESTA/JENSEN/VERGNE	
<b>N°94</b>	PEUGEOT TOTALENERGIES	Peugeot 9X8	DUVAL/MENEZES/MULLER	
<b>N°708</b>	GLICKENHAUS RACING	Glickenhaus 007 LMH	DUMAS/BRISCOE/PLA	

### LM GTE AM

<b>N°21</b>	AF CORSE	Ferrari 488 GTE Evo	CONSTANTINI/MANN/DE PAUW	
<b>N°25</b>	ORT BY TF	Aston Martin Vantage	AL HARTY/DINAN/EASTWOOD	
<b>N°33</b>	CORVETTE RACING	Corvette C8/R	KEATING/VARRONE/CATSBURG	
<b>N°54</b>	AF CORSE	Ferrari 488 GTE Evo	FLOHR/CASTELLACCI/RIGON	
<b>N°56</b>	PROJECT 1	Porsche 911 RSR	HYETT/JEANNETTE/CAIROLI	
<b>N°57</b>	KESSEL RACING	Ferrari 488 GTE Evo	KIMURA/HUFFAKER/SERRA	
<b>N°60</b>	IRON LYNX	Porsche 911 RSR	SCHIAVONI/CRESSONI/PICARIELLO	
<b>N°77</b>	DEMPSEY-PROTON	Porsche 911 RSR	RIED/PEDERSEN/ANDLAUER	
<b>N°83</b>	RICHARD MILLE AF CORSE	Ferrari 488 GTE Evo	PEREZ-COMPANC/WADOUX/ROVERA	
<b>N°85</b>	IRON DAMES	Porsche 911 RSR	BOVY/GATTING/FREY	
<b>N°86</b>	GR RACING	Porsche 911 RSR	WAINWRIGHT/PERA/BARKER	
<b>N°88</b>	PROTON COMPETITION	Porsche 911 RSR	HARDWICK/ROBICHON/TINCKNELL	
<b>N°98</b>	NORTHWEST AMR	Aston Martin Vantage	DALLA LANA/TBA/THIIM	
<b>N°777</b>	D'STATION RACING	Aston Martin Vantage	HOSHINO/STEVENSON/FUJII	

## SEBRING



The population of Sebring (Highlands County, Florida) is around 10,000

Sebring was founded in 1912 by pottery-maker George E. Sebring who discovered the location on a fishing trip

The venue was formerly a US Army airfield during World War 2

In 1950, the first-ever race at Sebring was won by a spectator's car!

Sebring hosted Formula 1's USA Grand Prix in 1959 (winner: Bruce McLaren)

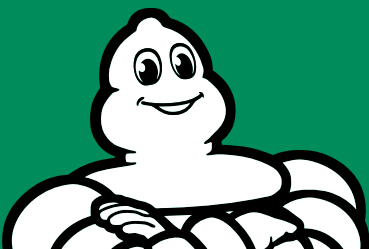
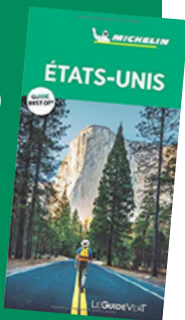
Many of the streets in one of Sebring's districts have racing-related names

The name Sebring has been given to numerous car models, including the Chrysler Sebring

Sebring winners traditionally celebrate with orange juice

## MICHELIN GREEN GUIDE

Explore the USA with the Michelin Green Guide United States which lists 10 not-to-miss destinations, 20 favorite sites and five itineraries that last from 10 to 30 days



## MICHELIN AND SEBRING



- In 1999, Michelin won the first 12 Hours of Sebring race to count towards the American Le Mans Series
- In 2012, Michelin won the first 12 Hours

of Sebring to count towards the FIA World Endurance Championship

- Michelin holds the lap record for Sebring with Fernando Alonso (Toyota TS050 Hybrid): 1m40.124s (average speed: 216.4kph)
- Michelin has won the 12 Hours of Sebring a record six times with Tom Kristensen
- Michelin was inducted into Sebring's Hall of Fame in 2010
- The Michelin Bridge straddles Turn 17

## MICHELIN

### AND AMERICAN ENDURANCE RACING



- Michelin totaled 143 race wins and 28 titles in the American Le Mans Series from 1999 until 2013

• In 2019, Michelin became the Official Tire of the IMSA WeatherTech SportsCar Championship

• Michelin has won every one of the six 6 Hours of Circuit of the Americas at Austin, Texas, that have counted towards the FIA WEC

• In January, Michelin and Acura scored a 1-2 finish in the new GTP category at the 24 Hours of Daytona

## ENDURANCE RACING: AN ACCELERATOR OF INNOVATION FOR MICHELIN

Michelin has long used motorsport in general, and endurance racing and Le Mans in particular, as a means to accelerate the development of its innovations. The 1923 Le Mans 24 Hours is a perfect example!

It was 100 years ago this year that the Chenard & Walcker Sports of René Lagache/André Léonard and Raoul Bachmann/Christian Dauvergne came first and second in the inaugural Le Mans 24 Hours on Michelin tires.

The sport's first 24-hour race took place around a 17-kilometer, dirt



and asphalt loop that was strewn with stones and made muddy by rain and hailstones. Michelin's answer for the conditions was the revolutionary Confort,

an innovative tire that was capable of running at a low pressure (2.5 bar) over a distance of 15,000km. Its technology helped the N°9 Chenard & Walcker Sport take the win after completing 2,209km at an average speed of 92kph. Buoyed by its success at Le Mans, the Michelin Confort was a big hit with the motoring public of the day!



# 2023

## WEC CALENDAR

## FIA WEC TIRE REGULATIONS



**MARCH 17**  
1,000 Miles of Sebring



**APRIL 16**  
6 Hours of Portimão



**APRIL 29**  
6 Hours  
of Spa-Francorchamps



**JUNE 10-11**  
Le Mans 24 Hours



**JULY 9**  
6 Hours of Monza



**SEPTEMBER 10**  
6 Hours of Fuji



**SEPTEMBER 4**  
8 Hours of Bahrain



Michelin has been appointed as the exclusive tire supplier for the FIA WEC's Hypercar prototypes.

Teams competing in LMGTE Am may work with the tire manufacturer of their choice. Michelin has been nominated by all the competitors in this class.

### TIRE ALLOCATIONS

	Free Practice	Qualifying + Race	
		6-hour races	8-hour races
<b>HYPERCAR</b>	12	18	26
<b>LM GTE AM</b>	16	26	34

### SLICKS

#### Hypercars:

Three types of slick for the season for all of the cars, with two types of slick to be nominated 48 hours before the Prologue test. Two types of slick to be nominated 48 hours at the latest before the start of scrutineering (three types for Le Mans).

- Tire manufacturers must draw up identical usage indications (tire pressures, camber) for all competitors. Non-compliance with these indications will result in the competitor being reported to the Sporting Stewards.
- In the case of 29/34 tires, tires will be allocated to each competitor at meetings by a random process carried out by the Technical Delegates. These tires to count for the Qualifying + Race allocation. Procedure established by the WEC Committee.
- In the case of 31/31 tires, a procedure to collect and redistribute tires established by the WEC Committee.
- The WEC Committee may make changes to the random tire allocation and/or tire collection/redistribution procedures at any point in the season.

#### LM GTE Am:

Only those tire specifications nominated for the 2022 championship may be used in 2023.

All the specifications for the season must be declared to the Technical Delegate before the start of the season.

Three types of slick for the season for all of the cars. Two types of slick for each race (three types for Le Mans).

### RAIN TIRES

Rain tires may only be used if Race Control declares the track to be wet (Free Practice, Qualifying, Race). No per-event quotas.

**LM GTE Am:** One type of rain tire and one type of intermediate tire per model entered 48 hours prior to the Prologue. The re-cutting of tread patterns is not authorized.

### Number of authorized specifications

	Slick tires			Wet-weather tires
	Le Mans 24 Hours	Other races	Total for the season	
<b>HYPERCAR</b>	3	2	3	1
<b>LM GTE AM</b>	3	2	3	2

Altering the property of a tire by either chemical or mechanical means is not permitted, except for the removal of debris picked up on the track.

The tires' (fil ou) profile may not be modified or re-cut.

Processes involving a direct or indirect test aimed at modifying the temperature of a tire (in relation to ambient temperature) are not permitted.

In the course of the season, a competitor may change tire supplier no more than once.

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

**Breach of tire-warming rules:** three-minute Stop&Go during the race.

**A maximum of four mechanics and two tire guns** for wheel changes during pit stops. Tire changes are not authorized while the car is being refueled.

**1 tire technician** authorized to check tire temperatures and pressures.

Tire changes are only authorized a) on the grid up to the five-minute board, b) in front of the car's garage during a pit stop or inside the garage if more extensive work on the car is required, or c) on the track if the race is suspended.

Tires are identified by RFID chips and bar codes. All tire serial numbers must be provided to the Technical Delegates 48 hours in advance.



# HEIGHTEN YOUR SENSES



**NEW**

Enjoy all our latest  
tire ranges.



MICHELIN  
Pilot Sport 5



MICHELIN  
Road 6



MICHELIN  
Power Cup



**MICHELIN**