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Mazda completes 1000-mile UK drive and race circuit laps in each home nation using sustainable 100 per cent fossil-free fuel

* A Mazda MX-5 has completed sustainable fuel powered laps at racetracks in each UK nation.
* Recognised by Motorsport UK, this highlights the potential of fossil-fuel free sustainable petrol.
* The unmodified Mazda MX-5 was powered by SUSTAIN 100% road fuel from Coryton.

A completely production standard 184ps 2.0-litre Mazda MX-5 Roadster has established a benchmark lap time for a zero fossil fuel sustainable fuelled car at a racetrack in each of the UK home nations. Powered by SUSTAIN 100% sustainable road fuel from Coryton, the unmodified Mazda MX-5 completed laps at Anglesey Circuit in Wales, Oulton Park in England, Knockhill in Scotland and Kirkistown in Northern Ireland across a week in which the car also drove 1000-miles around the UK from circuit to circuit on sustainable petrol.

The second generation Coryton fuel was created using 100% agricultural waste, such as straw, by-products and waste from crops which wouldn’t be used for consumption. Highlighting the role sustainable fuels can play in de-carbonising both road cars and motorsport, the drive also highlights how sustainable fuels could complement Mazda’s Multi-Solution approach to achieving climate neutrality.

Mazda is committed to reducing CO2 emissions from every car and believes that all options available must be used to achieve climate neutrality. Through Mazda’s SKYACTIV Multi-Solution Scalable Architecture, continued electrification will go hand in hand with the development of advanced internal combustion engine technology such as the award-winning e-Skyactiv X Spark Controlled Compression Ignition (SPCCI) petrol engine found in the Mazda3 and Mazda CX-30.

Whether it’s these SPCCI powered cars combined with Mazda M Hybrid mild-hybrid, the all-electric Mazda MX-30 or the Plug-in Hybrid CX-60 PHEV – across Mazda’s current range this multi-solution approach is clear to see. Equally, Mazda’s forthcoming Skyactiv EV scalable architecture will be able to build electric vehicles of various sizes and body types on the same production line. Additionally, the arrival next year of all-new in-line six-cylinder petrol and diesel engines in the CX-60 line-up will further highlight Mazda’s unique and efficient combustion technology.

In addition to the Multi-Solution approach found in Mazda’s current range and its future products, Mazda is investing in different projects and partnerships to promote the development and use of renewable fuels in cars. In Japan, Mazda is involved in several joint research projects and studies as part of an ongoing industry-academia-government collaboration to promote the wide-spread adoption of biofuels from microalgae growth. In Europe, Mazda was the first OEM to join the eFuel Alliance.

As is proven by the 1000-mile drive across the UK and the establishment of the circuit laps, sustainable fossil-free fuels can also be a solution for decarbonising the many millions of combustion engine cars that will remain on our roads for decades to come. The Mazda MX-5 drove from Coryton HQ in Essex, via Motorsport UK HQ in Bicester, before completing the tour of the four UK circuits. The completely unmodified MX-5’s performance, economy and engine character was unchanged by the SUSTAIN 100% road fuel supplied by Coryton, in fact excluding the circuit laps the MX-5 averaged 45.6mpg.

David Richardson, director at Coryton, said: “We're delighted to have worked with Mazda UK on this project, which combined a great car with sustainable fuel to lower more than just lap times. As this challenge has shown, sustainable fuel is a real and credible player in our efforts towards net zero. It's a solution that performs incredibly well, works with our existing vehicles and has the potential to significantly reduce the amount of CO2 we currently release compared to traditional fossil fuels”.

Adding, “drop-in sustainable fuels are ready now for everyday road cars with internal combustion engines. The UK alone currently has 36 million combustion engine cars on the roads that we could be reducing the emissions from right now. The product and technology is ready to go – the industry just needs support to help scale up operations, which can be done gradually. But every litre of fossil fuel we replace directly helps us get closer towards our climate targets.”

"Working with forward thinking partners like Mazda, we'll continue to show just how easy and impactful the integration of sustainable fuel could be whilst operations scale up for other technologies such as electric. There are a number of solutions, which can all work together to help us meet our goals, it doesn’t need to be all or nothing."

While the potential of widespread adoption of sustainable fuel for road cars is clear, its use in motorsport and the part it can play in the future sustainability of motorsport from international to club level is already underway. Mazda worked with Motorsport UK to recognise and support the completion of laps on a circuit in each of the UK nations.

Hugh Chambers, Motorsport UK Chief Executive Officer, commented: “around 90% of vehicles on UK roads are still powered purely by an internal combustion engine, with many capable of running for many years to come. Sustainable fuels, such as biofuels, efuels and synthetic fuels provide a low-carbon alternative to conventional hydrocarbon fuels, ensuring the lifespan of these vehicles is maximised with minimum impact. It’s fantastic to see Coryton Fuels join forces with Mazda to demonstrate that it’s possible for everyday road cars to not only be driven on a motorsport circuit powered by 100% sustainable fuels, but do so with no loss of performance or reliability”.

Another example of Mazda’s promotion of advanced second-generation bio-fuels via motorsport is the Mazda2 that competes in the Super Taikyu Endurance Series in Japan. Entered in the ST-Q class that’s exclusively for experimental or alternatively fuelled cars, the Mazda2 is powered by a 100 per cent biodiesel made from used cooking oil and microalgae fats. Partnered with Japanese company Euglena, who’s aim is to produce biodiesel commercially by 2025, their next-generation biodiesel is created using biomass such as plants and microalgae. As they absorb CO2 when growing, the total amount of CO2 in the atmosphere is neutral when you drive with this fuel. For the 2023 season however, Mazda is developing a new race car based on the Mazda3 that has a more powerful engine but will continue to be powered by the same biodiesel.

Commenting on the Mazda MX-5’s round UK drive and circuit laps, Mazda Motors UK, Managing Director, Jeremy Thomson, said: “This is a brilliant demonstration of how sustainable fuels can play a part in reducing automotive CO2 emissions if they became widely available. In line with Mazda’s position on renewable efuels, I’m delighted that with this activity here in the UK we have helped to increase discussion and awareness on the part sustainable fuels can play alongside electrification in reducing emissions from vehicles.”

Adding, “It’s especially appropriate to highlight how they have the potential to make the enjoyment of driving sustainable whether on the road or on track for fun or in competition – all of which is key to a car like the Mazda MX-5 that has been providing driving fun for over 30 years. I hope this demonstration will be a forerunner of bigger and better things to come, this pioneering approach is very much in line with Mazda’s famed Challenger Spirit”.

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**Notes for Editors:**

**About Coryton Fuels:**

Driven by its mission to create a better future, Coryton supplies specialist and renewable fuel solutions to a range of forward-thinking customers. As the leading supplier of bespoke fuels, Coryton’s team of experts tailor make over 4,000 unique blends each year. It provides fuel for everything from race cars to jet engines, creating a range of pioneering products to globally recognised standards.

Coryton SUSTAIN focuses on developing responsible and sustainable fuels that contribute towards the push for net zero impact. Combining world-leading chemistry, collaborative partnerships and a passion for innovation, Coryton is dedicated to developing the most advanced fuel technologies in the world.

For more information go to https://coryton.com/

**About Motorsport UK:**

Motorsport UK is the national membership organisation and governing body for four-wheel motorsport in the UK, representing competitors, volunteers, clubs and fans. As a member focused organisation Motorsport UK embraces a diverse community that includes 700 affiliated motor clubs, 50,000 competition licence holders, 10,000 volunteer marshals, 4,000 officials and a legion of passionate motorsport spectators and fans. Over 4,000 event permits are issued every year providing everyone with the opportunity to get close to the action.

Motorsport UK is a founding member of the world governing body, the Fédération Internationale de l’Automobile (FIA).

**Comment from Knockhill Racing Circuit:**

"The management team at Knockhill are delighted to be part of this promotion of synthetic fuels with Mazda and Coryton Fuels. There is no doubt the future of motoring and motorsport will be a mix of power sources, from pure electric, hybrid, to the continued use of the internal combustion engine but using green, environmentally sympathetic fuels. We see the use of such fuels as the first step and would even want the opportunity to use the use the fuel in our fleet of Driving Experience cars to show the public that the enjoyment and thrill of driving on track is not diminished in any way using synthetic fuels and is considerate to the environment too".

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