

JAGUAR LAND ROVER WILL USE PLASTIC WASTE IN NEXT-GENERATION SUSTAINABLE LUXURY INTERIORS

- **Future Jaguar and Land Rover models will feature floor mats and trims made from ECONYL® yarns produced using plastic waste**
- **Innovative process will help the premium British manufacturer on its journey towards a circular economy as part of Destination Zero**
- **ECONYL® nylon process reduces emissions in production by 90 per cent compared with the material produced from oil**
- **Jaguar Land Rover is committed to offering a wider choice of responsibly sourced materials with the same luxurious feel but with a reduced environmental impact**

Tuesday 29 September 2020, Whitley, UK – Jaguar Land Rover is working with ECONYL® nylon to develop high-quality interiors made from ocean and landfill waste.

Next-generation Jaguar and Land Rover models will feature floor mats and trims made with ECONYL® fibre from recycled industrial plastic, fabric offcuts from clothing manufacturers, fishing nets from the farming industry, and those abandoned in the ocean– known as ‘ghost nets’.

This commitment to designing sustainable luxury interiors using responsibly sourced and recycled materials is part of Jaguar Land Rover’s Destination Zero mission, with innovation helping to make environments safer and cleaner while offering customers a premium, sustainable option.

The ECONYL® regenerated nylon, created by Aquafil - a global leader in the synthetic fibres industry, has already been used by high-end fashion, sportswear and luxury watch brands to create handbags, backpacks, swimwear and watch straps.

The nylon waste is reclaimed by Aquafil from all over the world. In a single year, the company recycles as much as 40,000 tonnes of waste, with the recycling process reducing the global warming impact of nylon by 90 per cent compared with the material produced from oil. For

MEDIA INFORMATION



every 10,000 tonnes of ECONYL[®] raw material produced, 70,000 barrels of crude oil are saved and 65,100 tonnes of carbon emissions equivalent are avoided.

Inside state-of-the-art treatment centres the waste is analysed, treated and prepared to feed into a chemical plant, where the nylon waste is broken to its original raw material using a chemical treatment process, known as depolymerization. The raw nylon material is then turned into the yarn, known as ECONYL[®].

Throughout the process, other by-products such as non-nylon, metallic materials or copper sulphate which is used for preventing seagrass growing on fishing nets, are removed and sent to alternative industries for recycling.

The resulting ECONYL[®] regenerated nylon polymer has the same chemical and performance characteristics as raw fossil material, allowing it to be processed into a fibre for carpet flooring and textiles.

This yarn can then be used to manufacture floor mats for future Jaguar and Land Rover models with the goal of using more environmentally conscious and sustainable materials while still providing customers with a premium and hardwearing product. The process is helping Jaguar Land Rover move towards a circular economy as part of its journey to Destination Zero.

Adrian Iles, Senior Engineer of Interior Systems at Jaguar Land Rover, said: "Our designers and engineers are committed to developing the next generation of sustainable materials that will feature on future Jaguar and Land Rover models. We place a great deal of focus on the creation of new sustainable materials, using the latest, most innovative techniques and textiles. Minimising waste, re-using materials and reducing carbon emissions sits at the heart of our Destination Zero mission. This pioneering materials research is one of the key ways we'll achieve this and is an integral part of our design offering to our customers."



Earlier this year, [Jaguar Land Rover was certified for the second consecutive year by the Carbon Trust](#), confirming business operations across the UK have met the internationally recognised standard for carbon neutrality, known as PAS 2060. Together, these UK based sites represent 77 per cent of Jaguar Land Rover's global vehicle production.

Currently, Land Rover offers a premium Eucalyptus textile interior on Range Rover Evoque while Evoque, Range Rover and Jaguar's all-electric I-PACE benefit from optional Kvadrat – a high-quality material that combines durable wool with a suede cloth made from 53 recycled plastic bottles per vehicle.

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Editors' notes:

For more information about Destination Zero please visit:
<https://www.jaguarlandrover.com/2019/destination-zero>

About Aquafil

Since 1965, Aquafil has been one of the leading players, both in Italy and globally, in the production of polyamide 6 (nylon 6). The Aquafil Group has a presence in seven countries on three continents, employing more than 2,900 staff at 16 plants located in Italy, Scotland, Slovenia, Croatia, the USA, Thailand and China.

To learn more about the company, please visit www.aquafil.com.

About Jaguar Land Rover

Jaguar Land Rover is the UK's largest automotive manufacturer, built around two iconic British car brands. Land Rover is the world's leading manufacturer of premium all-wheel-drive vehicles. Jaguar is one of the world's premier luxury marques, as well as being the first ever brand to offer a premium all-electric performance SUV, the Jaguar I-PACE.

At Jaguar Land Rover we are driven by a desire to deliver class-leading vehicles, providing experiences people love, for life. Our products are in demand around the globe and in 2019 we sold 557,706 vehicles in 127 countries.

At heart we are a British company, with two major design and engineering sites, three vehicle manufacturing facilities, an Engine Manufacturing Centre and soon to be opened Battery Assembly Centre. We also have vehicle plants in China, Brazil, India, Austria and Slovakia. Three of our seven technology hubs are in the UK – Manchester, Warwick (NAIC) and London – with additional sites in Shannon, Ireland, Portland, USA, Budapest, Hungary and Changshu, China.

We have a growing portfolio of electrified products across our model range, embracing fully electric, plug-in hybrid and mild-hybrid vehicles, as well as continuing to offer the latest diesel and petrol engines, giving our customers even more choice.

We are confident that our comprehensive strategy, exciting pipeline of market-leading vehicles and innovative approach to technology and mobility will see us continue to progress towards Destination Zero, our mission to shape future mobility with zero emissions, zero accidents and zero congestion.

MEDIA INFORMATION



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