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Terex Advance Signs Letter of Intent to Integrate and Offer Cummins X15H

First US-based on-highway OEM to secure X15H as part of its decarbonization strategy

COLUMBUS, Ind.--(BUSINESS WIRE)-- Cummins Inc. (NYSE: CMI), a global power solutions provider and Terex® Advance, leading manufacturer of front-discharge concrete mixer trucks, announced today the signing of a Letter of Intent (LOI) to integrate Cummins' X15H hydrogen internal combustion engines into the Terex Advance Commander Series.

This press release features multimedia. View the full release here:
<https://www.businesswire.com/news/home/20230911033897/en/>

Cummins X15H Hydrogen Engine (Photo: Business Wire)

“As the global need to reduce emissions becomes stronger,

we are actively pursuing practical, cost-effective strategies to help our ready-mix customers decarbonize. Cummins' X15H is a feasible zero-carbon option for our renowned front-discharge mixer trucks, and we are eagerly anticipating the future deployment of this technology,” said David Grabner, General Manager at Terex Advance.

Currently powered by Cummins diesel engines, the Terex Advance Commander Series will include a zero-carbon hydrogen fuel option when series production of Cummins' X15H engines begins later this decade.

“Hydrogen internal combustion engines provide a viable zero-carbon fuel option for heavy-duty, high-performance applications like concrete mixer trucks, which are often subject to arduous duty-cycles and tough terrain. It is exciting to see OEMs like Terex Advance leading the way in zero-carbon technologies, particularly in complex sectors like vocational trucking,” said Jim Nebergall, General Manager, Cummins Hydrogen Engine Business.

Part of Cummins' industry-first fuel agnostic platform, the X15H is based on familiar internal combustion engine technology. Integration into the truck chassis is straightforward and does not require major overhaul of vehicle designs or business operations. Significant commonality between the X15H and Cummins' existing diesel platforms facilitates scale advantages in parts procurement and supports existing maintenance practices.

“We believe that hydrogen internal combustion engines will play an essential part in decarbonizing both on- and off-highway applications. With diesel-like power and torque the X15H gives our customers a power option that delivers, no matter how hard their trucks work, or how tough the operating environment is,” concluded Nebergall.

Hydrogen internal combustion engines enable vocational applications to comply with the EPA’s proposed greenhouse gas (GHG) Phase 3 standard, while still meeting critical performance requirements.

This latest LOI signals growing global customer interest in hydrogen internal combustion engine technology, with previous letters signed by several truck fleet customers, a global truck OEM and an agricultural tractor manufacturer.

About Cummins Inc.

Cummins Inc., a global power leader, is a corporation of complementary business segments that design, manufacture, distribute and service a broad portfolio of power solutions. The company’s products range from diesel, natural gas, electric and hybrid powertrains, and powertrain-related components including filtration, aftertreatment, turbochargers, fuel systems, controls systems, air handling systems, automated transmissions, electric power generation systems, batteries, electrified power systems, hydrogen generation and fuel cell products. Headquartered in Columbus, Indiana (U.S.), since its founding in 1919, Cummins employs approximately 59,900 people committed to powering a more prosperous world through three global corporate responsibility priorities critical to healthy communities: education, environment, and equality of opportunity. Cummins serves its customers online, through a network of company-owned and independent distributor locations, and through thousands of dealer locations worldwide and earned about \$2.1 billion on sales of \$24.0 billion in 2021. See how Cummins is powering a world that is always on by accessing news releases and more information at <https://www.cummins.com/always-on>.

About Terex Advance

Terex[®] Advance is a business belonging to the Terex Materials Processing segment of Terex Corporation, a global manufacturer of materials processing machinery and aerial work platforms. Terex Advance has a 50-year history of specializing in the design, production, and support of a comprehensive lineup of concrete mixer trucks, which are essential vehicles to the construction and concrete industries.

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