

Dana Improves Mobility of Compact, Hydrostatic-Drive Off-Highway Vehicles through Disconnect Feature

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PARIS, April 20, 2015 /PRNewswire/ -- Dana Holding Corporation (NYSE: DAN) today introduced an upgraded drivetrain system for compact, hydrostatic-driven off-highway vehicles with an optional disconnect feature that offers improved performance.

Designed for wheeled excavators, telescopic boom handlers, and front-end loaders, the system includes the enhanced, two-speed Spicer[®] Model 367 shift-on-fly hydrostatic transmission with improved shift quality and a disconnect option that allows the vehicle to disengage one of the axles, which helps to reduce power loss, fuel consumption, and tire wear.

"Equipment buyers demand increased versatility from their machinery, expecting them to perform efficiently and dependably at one worksite and then moving quickly to be deployed at the next worksite," said Aziz Aghili, president of Dana Off-Highway Driveline Technologies. "This new system for compact construction equipment is the latest in a series of Dana innovations that improve productivity and reduce vehicle operating costs."

Extremely compact and versatile, the Spicer Model 367 transmission is engineered with advanced gear-shifting technology that offers a slow working speed and a fast speed for traveling. It includes a hydraulic motor ranging from 55 to 110cc, and it can be remote mounted or directly flanged to Spicer components.

Other options include hydraulic shifting, gear-engagement and speed sensors, and an integrated spring-applied, hydraulically released (SAHR) parking brake.

Designed for hydrostatic and hydrodynamic drivelines, the Spicer Model 211 industrial planetary steer axle has been upgraded to deliver improved wheel-end torque and load capacity, better brake performance, and reduced power loss in severe and high-speed applications.

Dana will feature the Spicer Model 367 transmission and Spicer Model 211 axle at Intermat as part of a complete drivetrain system for a compact telescopic boom handler with 2.7- to 3.6-tonne (6k to 8k) lifting capacity.

It will be configured with Spicer[®] PowerBoost[®] hydraulic-hybrid technology, which features a modular design that offers OEMs flexibility in hybrid control performance, including hydraulic start/stop functionality for use with electronically controlled powertrains, integration with hydraulic work circuits, and other options depending on customer powertrain configuration.

This system demonstrates how off-highway manufacturers can potentially reduce the engine size for applications that currently require an engine at or slightly above the U.S. EPA's Tier 4 or Euro 5/6 emissions threshold of 56 kW (75 hp).

Dana will present the new hydrostatic drivetrain solution at Intermat in stand 5A K 064. To learn more, visit www.dana.com/offhighway.

About Dana Holding Corporation

Dana is a global leader in the supply of highly engineered driveline, sealing, and thermal-management technologies that improve the efficiency and performance of vehicles with both conventional and alternative-energy powertrains. Serving three primary markets – passenger vehicle, commercial truck, and off-highway equipment – Dana provides the world's original-equipment manufacturers and the aftermarket with local product and service support through a network of nearly 100 engineering, manufacturing, and distribution facilities. Founded in 1904 and based in Maumee, Ohio, the company employs approximately 23,000 people in 25 countries on six continents. In 2014, Dana generated sales of \$6.6 billion. For more information, please visit dana.com.

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Jeff Cole, +1-419-887-3535, jeff.cole@dana.com