



Dana Powers into Agritechnica 2013 with Complete Range of Drivetrain Innovations

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HANOVER, Germany, Nov. 11, 2013 /PRNewswire/ -- Dana Holding Corporation (NYSE: DAN) today heralded the company's full line of drivetrain solutions for the agriculture market at Agritechnica 2013.

Dana will introduce a new line of modular axles and new drivetrain concepts for combines and forage harvesters, while promoting its advanced Spicer® central tire inflation system and aftermarket service capabilities.

"To keep up with increasing global demand, the market for agricultural vehicles requires increasingly specialized applications that maximize productivity," said Aziz Aghili, president of Dana Off-Highway Driveline Technologies. "Dana works side by side with manufacturers of agricultural equipment every day to engineer a complete range of drivetrain solutions with advanced technologies that meet local preferences and the ever-present need for return on investment."

Dana will present the following this week in Hall 01, Stand F207 at Agritechnica 2013, the world's largest trade fair for agricultural machinery and equipment:

New Spicer® Steer Axles

Dana unveiled a new line of Spicer® steer axles for agriculture with a modular three-piece construction that allows engineers to reduce the time from design to production and delivery while supporting a wide range of customization options.

Through this effort to reduce complexity and streamline its offerings, Dana will condense its line of agricultural axle models from 17 to eight while extending the application range from 33 to 301 kW (45 to 410 hp) and maximum output torques from 2,000 Nm to 40,000 Nm.

The Spicer M25 and M30 axles for tractors, combines, forage harvesters, and other agricultural equipment from 67 to 93 kW (90 to 125 hp) are currently available. All other models are set to begin production in early 2014.

Drivetrain Concepts for Combines, Forage Harvesters

Dana debuted a wide range of drivetrain concepts for combines and forage harvesters, including new suspended steer axle and shift-on-fly transmission designs.

Dana was the first supplier in the market to offer suspended steer axles for combines and forage harvesters. Available now, this design delivers increased traction, more stable weight distribution, isolation from body vibration for improved operator comfort, and improved handling characteristics while allowing for on-road travel speeds up to 40 km/h (24 mph).

The new three-speed, shift-on-fly hydrostatic transmission concept for combines and forage harvesters up to 36 tonnes (40 tons) will provide a cost-effective system for seamlessly changing speeds in varying field conditions or when transitioning between field operation and on-road travel. Compact and versatile, this design uses advanced gear shifting technology to eliminate the need for stopping the vehicle when shifting gears, supplying virtually the same performance as a powershift transmission at a reduced cost. It also offers higher system efficiency and lower noise when operating at maximum speed.

Spicer® Central Tire Inflation System

The Spicer central tire inflation system for agricultural tractors, combines, and forage harvesters delivers enhanced maneuverability and reduces fuel consumption so customers can lower operating costs.

Based on more than a decade of product development, and field-proven by thousands of military vehicles in operation today, the Spicer CTIS maximizes mobility by adjusting tire pressure to provide the optimum footprint on any given terrain.

Now in final field testing, the Spicer CTIS enhances productivity in field operating environments through optimized traction, leak detection, and reduced soil compaction. It also extends tire life, improves fuel economy, and increases vehicle stability during on-road transport. The technology also makes it possible to free a stuck vehicle or take on grades and other extreme conditions that previously required assistance because it allows greater functionality at extremely low pressures.

Aftermarket Support for Agricultural Market

By closely monitoring demand, Dana supplies a comprehensive, up-to-date selection of thousands of replacement parts for agricultural applications. Dana continuously expands its service capabilities through an increasing portfolio of products and quicker delivery times from its growing distribution network.

Dana offers convenience to customers as the single source for drivetrain replacement parts and service under the Spicer® brand umbrella, which includes Clark™, Clark-Hurth™, Sige™, Comaxle™, Kirkstall™, S®iGWB™, Spicer® Italcarno™, and Spicer® Ayra-Cardan™, as well as Victor Reinz® sealing products. Dana subjects all genuine Spicer service parts to superior metallurgy, hobbled and shaved gearing, precision heat-treating, and shot peening to ensure consistent quality and exceptional durability.

Dana has also commissioned more than 60 Authorized Spicer Off-Highway Service Centers around the world to provide complete after-sales support, including repairs and spare parts distribution for both OEMs and the aftermarket.

About Dana in the Aftermarket

Powered by recognized brands such as Dana®, Spicer®, Victor Reinz®, Glaser®, GWB®, Thompson®, Tru-Cool®, SVL®, and Transejes™, Dana delivers a broad range of aftermarket solutions – including genuine, all makes, and value lines – servicing passenger, commercial, and off-highway vehicles across the globe. Leveraged by a global network of 13 distribution centers, Dana's dedicated aftermarket team provides technical service, customer support, high fill rates, and on-time delivery to customers around the globe. For more information, please visit www.dana.com/aftermarket.

About Dana Holding Corporation

Dana is a world-leading supplier of driveline, sealing, and thermal-management technologies that improve the efficiency and performance of passenger, commercial, and off-highway vehicles with both conventional and alternative-energy powertrains. The company's global network of engineering, manufacturing, and distribution facilities provides original-equipment and aftermarket customers with local product and service support. Based in Maumee, Ohio, Dana employs more than 23,000 people in 26 countries and reported 2012 sales of \$7.2 billion. For more information, please visit www.dana.com.

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