Press Release
For Immediate Distribution

Total Solutions & Power Company, Korea begins series production of industrial power piston rings

- CGI series production at TSP foundry in Busan, South Korea
- Increased demand for CGI piston rings in industrial power engines
- Series production of large piston rings for MAN Diesel & Turbo SE

Produced in SinterCast-CGI at the Total Solutions and Power foundry in Korea: 300 to 700 mm diameter piston rings for industrial power engine applications

[Stockholm and Busan, 09 October 2017] – Total Solutions and Power Company, Ltd. (TSP), has begun series production of Compacted Graphite Iron (CGI) piston rings using the SinterCast process control technology. Produced at the TSP foundry in Yang San city, Korea, the CGI piston rings are used in large industrial power engines with cylinder bore diameters of 300 to 700 mm, primarily for the marine and stationary power markets. The start of production at TSP has been motivated by the increased market demand for CGI piston rings. Traditionally, CGI has only been used for the top piston ring, to withstand the highest thermal and compression loads, followed by three grey cast iron piston rings. The new CGI solution, developed by MAN Diesel & Turbo SE, replaces the conventional four-ring pack with three CGI rings, providing manufacturing, operational and environmental benefits.

"Following the initial installation of the SinterCast Mini-System 3000 at the TSP Foundry in 2011, we are pleased that TSP has been certified by MAN Diesel & Turbo SE as a supplier of CGI piston rings for industrial power engines, and that initial niche volume production has begun. The start of production provides opportunities for piston rings beyond the initial 300-700 mm diameter range to come on-stream, and for other CGI marine products to be developed and launched at TSP" said Dr. Steve Dawson, President and CEO of SinterCast. "The industrial power sector, comprising marine, rail, stationary power and off-road equipment, currently accounts for approximately 7% of our total production volume. With the increasing demand for engine performance and emissions compliance in the industrial power market, we anticipate further growth opportunities in this sector, enabling industrial power production to continue to provide an important contribution as the core passenger vehicle and commercial vehicle markets continue to grow."

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SinterCast is the world's leading supplier of process control technology for the reliable high volume production of Compacted Graphite Iron (CGI). With at least 75% higher tensile strength, 45% higher stiffness and approximately double the fatigue strength of conventional grey cast iron and aluminium, CGI allows engine designers to improve performance, fuel economy and durability while reducing engine size, weight, noise and emissions. The SinterCast technology, with 44 installations in 13 countries, is primarily used for the production of petrol and diesel engine cylinder blocks and exhaust components for passenger vehicles, medium-duty and heavy-duty cylinder blocks and heads for commercial vehicles, and industrial power engine components for marine, rail, off-road and stationary engine applications. SinterCast supports the series production of components ranging from 2 kg to 9 tonnes, all using the same proven process control technology. As a specialist supplier of precision measurement and process control solutions to the metals industry, SinterCast also supplies a suite of tracking technologies, including the SinterCast Ladle Tracker®, Cast Tracker™ and Operator Tracker™, to improve process control, productivity and traceability in a variety of applications. The SinterCast share is quoted on the Small Cap segment of the Nasdaq Stockholm stock exchange (SINT). For more information: www.sintercast.com

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