

PRESS RELEASE

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MTU Series 4000 marine engines selected by Southern Towing for inland waterway push boats

The MTU 8V and 12V 4000 engines represent a new step forward in advanced engine technology for Southern Towing.

NOVI, Mich. – Tognum America Inc., a Tognum Group subsidiary and leading manufacturer of marine and off-highway engines, will supply twelve MTU Series 4000 diesel engines to power six push boats operated by Southern Towing Company, an established inland waterways barge operator on the Mississippi River system and the Gulf Intracoastal Waterway. The high-speed diesel marine propulsion engines from MTU will be used to power four new push boats and repower two older vessels in the company's fleet.

According to William Stegbauer, president of Southern Towing, the first two vessels to be built will be approximately 100 feet in length and feature a propulsion system that is unusual on the inland waterways.

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Specifically, the boats will be equipped with hydraulically operated Z-drive propulsion units powered by two MTU 8V 4000 M23S engines running at a constant speed. In this design, the propulsion engines run at a constant 1,800 rpm, while the hydraulic propulsion unit provides fully proportional speed control to a fixed-pitch propeller in a 360-degree azimuth Z-drive. An advantage is that the 1,234 bhp engines will also be powering generators to supply hotel loads on the boats, eliminating the cost of separate generator sets.

The second pair of push boats will be approximately 120 feet in length and will each feature two MTU 12V 4000 M53 engines, rated to produce 1,851 bhp at 1,800 rpm. Southern Towing will utilize 1,600 bhp at 1,800 rpm for this specific application. These larger vessels will be equipped with a one-meter drive shaft connected to a mechanical 360-degree azimuth Z-drive.

“These new boats are similar to vessels we built three years ago,” said Stegbauer. “But this is the first time our company will use MTU engines. We had looked at them in the past, but now they have the emissions-approved engines in the horsepower class that we need. We like them for their high fuel efficiency, low emissions and reliability.”

All four new vessels were designed by Ed Shearer & Associates, and construction started in January 2012 at Steiner Shipyard in Bayou La Batre, Ala. MTU distributor Stewart & Stevenson/EMDSI will package the engines, alternators and other accessories in Harvey, La., according to Jeff Sherman, senior marine sales manager for Tognum America. The first of the new vessels is expected to be completed by December 2012.

The MTU 12V 4000 M53 engines will also be used to repower two existing push boats, replacing existing 2-Cycle, medium-speed engines in order to improve on overall fleet fuel efficiency and emissions.

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MTU 12V 4000 marine engines will power push boats operated by Southern Towing Company.

About Southern Towing

Headquartered in Memphis, Tenn., Southern Towing Company is a leading inland tank barge operator specializing in transporting bulk liquid fertilizer products throughout the Mississippi River system and the Gulf Intracoastal Waterway. Southern Towing Company operates the largest fleet of anhydrous ammonia barges in the United States. In addition, it provides towing services for several other commodities, including refined petroleum, chemicals, coal, grain and aggregates.

About MTU

Under the brand "MTU" the Tognum Group markets engines and propulsion systems for applications in the marine, rail, power generation, oil and gas, agriculture, mining, construction and industrial, and defense markets. www.mtu-online.com

About Tognum America

Tognum America (formerly MTU Detroit Diesel) is a Tognum Group company and is responsible for the manufacture, sales and support of MTU and MTU Onsite Energy branded products in North and Latin America.

With its two business units, Engines and Onsite Energy, the Tognum Group is one of the world's leading suppliers of engines and propulsion systems for off-highway applications and of distributed power generation systems. These products are based on diesel engines with up to 9,100 kilowatts (kW) power output, gas engines up to 2,150 kW and gas turbines up to 45,000 kW.

The product portfolio of the Engines business unit comprises MTU engines and propulsion systems for ships, for heavy land, rail and defense vehicles and for the oil and gas industry. The Onsite Energy business unit supplies distributed power generation systems carrying the MTU Onsite Energy brand. These comprise diesel engines for emergency power, prime power and continuous power, as well as cogeneration power plants based on gas engines and gas turbines that generate both power and heat. Tognum's product portfolio also features fuel-injection systems built by L'Orange.

In 2011, Tognum generated revenue of around €2.97 billion and employs approximately 10,000 people. Tognum has a global manufacturing, distribution and service structure with 23 fully consolidated companies, more than 140 sales partners and over 500 authorized dealerships at approximately 1,200 locations. Since September 2011, Engine Holding GmbH, a joint venture between Daimler AG and Rolls-Royce Group plc, has a majority holding in Tognum. www.Tognum.com

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