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# Electro-Motive Diesel and MaK Asia to add EMD 710 engine to marine sales portfolio

LaGrange, Illinois – Electro-Motive Diesel (EMD), part of Progress Rail Services Corporation, a Caterpillar company, is proud to announce MaK Asia will be adding the EMD 710 two-cycle engine to their marine sales portfolio. This expands MaK Asia's engine offerings while providing EMD customers in Asia with a local support channel. Marintec 2013 will be the first tradeshow featuring the new distribution.

Brian Grinter, director of EMD's Power Products sales business, reflected on the benefits of utilizing MaK Asia, "EMD Power Products is excited to have MaK Asia as part of the team. MaK Asia has an outstanding reputation for sales and service in the marine industry from Australia to China."

The EMD 710 engine has a proven legacy with an exciting future. "The architecture of the 710 two-cycle engine dates back almost 75 years to the first Series 567 two-cycle engines that powered the U.S. Navy's fleet of Landing Ship Tank (LST) vessels in World War II," affirmed Grinter. "Since World War II, the engine has undergone an evolution of comprehensive improvements to performance, reliability, serviceability and cost of ownership. Together with its Series 567 and Series 645 predecessors, the Series 710 engine is built on a legacy of more than 72,500 engines delivered worldwide."

Beginning with IMO II emissions regulations, engine manufacturers were required to significantly reduce engine oxides of nitrogen (NOx) and particulate matter (PM) emissions. EMD engineers found the Series 710 responded favorably to emissions reduction efforts, with several advantages over how competitive engines achieve the same standard. The result was a certified engine model that represented significant reductions in fuel and lube oil consumption from prior generations. EMD achieved this through enhancement of existing internal engine components.

"EMD's engine model provides the lowest life cycle cost in the 1.4 to 4.0 Kw range," Grinter continued. "Staying true to the continuous improvement mindset, EMD's Series 710 two-cycle engine not only meets emissions standards, but also does so with further improvements to fuel and lube oil consumption without consequence to its performance. The 710 is a special product with many intrinsic merits yielding real measurable value for our customers in many facets of their operations, and we constantly receive positive feedback."

EMD is actively developing products to meet future emissions regulations with a dual fuel natural gas option in 2014. "The future is certainly very exciting for EMD in the marine engine market, and EMD looks forward to supplying Series 710 medium-speed, two-cycle engines in step with its dynamic energy and regulatory landscapes," Grinter added.

# About Progress Rail Services Corporation and Electro-Motive Diesel, Inc.:

Progress Rail Services Corporation (Progress Rail), a wholly owned subsidiary of Caterpillar Inc., is a leading supplier of remanufactured locomotive and railcar products and services to the railroad industry, operating one of the most extensive rail service and supply networks in North America. More than 8,000 employees serve customers in a network of more than 165 locations across the United States, Canada, Mexico, Brazil, Italy, Germany and the United Kingdom. Progress Rail is headquartered in Albertville, Ala.

Through the acquisition of Electro-Motive Diesel, Inc. (EMD), Progress Rail has expanded its network of global locations, furthering a commitment to providing industry-leading products and services. Founded in 1922, Electro-Motive Diesel is an original equipment manufacturer of diesel-electric locomotives. Headquartered in LaGrange, Ill., EMD designs, manufactures and sells diesel-electric locomotives for all commercial railroad applications and is a global provider of diesel engines for marine propulsion, offshore and land-based oil well drilling rigs and stationary power generation. The company is the only diesel-electric locomotive manufacturer to have produced more than 72,500 engines and has the largest installed base in both North America and worldwide. EMD also has an extensive aftermarket business offering replacement parts, maintenance solutions and a range of value-added services.

For more information, visit www.progressrail.com and www.emdiesels.com.

#### **About MaK Asia:**

The company comprises two legal entities – Caterpillar Marine Trading Shanghai Ltd. and Caterpillar Marine AP Pte. in Singapore. Coverage of the extensive Asia Pacific region is complimented by two sub-dealers: CJA in Australia and MDS in Indonesia. Dong Sung serves as a specialized sales agent covering the Korean prime sales market.

The overall organization is 120 people strong covering prime sales, Application & Installation engineering (A&I), project management, parts & service sales and service work handled by an extensive team of service engineers and workshop technicians. All MaK Asia employees are focused exclusively on medium speed engines and systems - MaK Marine, CM Petroleum and now EMD. The recent acquisition of Berg (now Caterpillar Propulsion) has added an in-house propulsion range for the marine market with A&I capability in Asia as well as Europe.

In region parts & service capabilities are supported by a major stockholding in Singapore and service workshops in Singapore, Shanghai, Guangzhou, Melbourne and Jakarta. Training centers in Singapore and Shanghai provide education for customer crews and staff personnel.

### **About Caterpillar Inc.:**

For more than 85 years, Caterpillar Inc. (Caterpillar) has been making sustainable progress possible and driving positive change on every continent. With 2012 sales and revenues of \$65.875 billion, Caterpillar is the world's leading manufacturer of construction and mining equipment, diesel and natural gas engines, industrial gas turbines and diesel-electric locomotives. The company also is a leading services provider through Caterpillar Financial Services, Caterpillar Remanufacturing Services and Progress Rail Services. More information is available at: <a href="http://www.caterpillar.com">http://www.caterpillar.com</a>.

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