

Caterpillar Marine Power Systems

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Power Axe – Damen chooses Cat 3512B WOSR marine engines for high-speed work boat

Hamburg, Germany – Damen Shipyards Group last year introduced their “Fast Crew Supplier 5009” and already, five of the innovative work boats have been sold, all powered by 4x Cat® 3512B marine engines. The unique design of the boats allows for high speed in waves while improving seakeeping characteristics, safety and crew comfort.

The Damen FSC 5009 is built on a steel hull with axe bow and an Aluminium superstructure. With 50.3 metres length and 9.2 metres beam the boat can accommodate 80-100 passengers plus 200-300 tonnes of deck cargo. A quartet of Cat 3512B WOSR marine engines propels the FSC 5009 to a top speed of 30 knots. Damen’s smaller FCS 3307 and 3507 designs also rely on Cat power.

Building on the proven Cat 3500 series engines, the 3512B WOSR (Wide Operating Speed Range) provides a flat-line power curve from approximately 1200 rpm to 1800 rpm with exceptional torque rise and power reserve for acceleration. Weighing about 7 tonnes, the 51.8 litre, vee-12, four-stroke diesel engine design offers an excellent power-to-weight ratio. In the FSC 5009 application, each Cat 3512B WOSR provides 1,119 kW at 1,800 rpm. In addition, Caterpillar’s proprietary Electronic Control Module (ECM) perfectly balances power, fuel consumption and emissions at any given load.

Damen Shipyards Group and Pon Power, the Caterpillar® dealer for the Netherlands, have been working together since the 1960’s. Today Damen is among the largest shipbuilders worldwide and has vast experience in the field of high-speed vessels. It has delivered more than 4,000 boats over the last 20 years, many of them powered by Cat engines.

“Exceptional hull design demands excellent marine power”, noted Jochem Neuteboom, Marine Account Manager with Pon Power. “We are proud to be part of the FCS 5009 project. The shape of this hull is extraordinary. And once you have sailed on it, you really feel the difference!”

Mark Harrison, Territory Manager for the Netherlands with Caterpillar Marine Power Systems, said: “Damen Shipyards Group is one of our most important key accounts world-wide. We appreciate their pursuit of continuous improvement in work boat design and are more than happy that they have been selecting Caterpillar as their preferred power provider.”

Caterpillar Marine Power Systems**About Caterpillar Marine Power Systems**

Caterpillar Marine Power Systems, with headquarters in Hamburg, Germany, brings together all the sales and service activities for Cat and MaK branded marine products within Caterpillar Inc. This organization provides premier marine power solutions (high and medium speed with outputs from 11 kW to 16,000 kW) and customer service from a single source for the global ocean-going, commercial and pleasure craft markets. The Caterpillar Marine Power Systems sales and service network includes more than 2,100 dealer locations world-wide and is well positioned to support customers wherever they are.

More information is available at: <http://www.cat-marine.com/> or <http://www.mak-global.com/>.

About Caterpillar

For more than 80 years, Caterpillar Inc. has been making progress possible and driving positive and sustainable change on every continent. With 2006 sales and revenues of \$41.517 billion, Caterpillar is a technology leader and the world's leading manufacturer of construction and mining equipment, clean diesel and natural gas engines and industrial gas turbines.

More information is available at: <http://www.cat.com/>.

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