

For worldwide release: October 30, 2008

Release Number: M18PR08

More power – fewer emissions: New EPA Tier 2-compliant pleasure craft ratings for Cat C18 ACERT and C32 ACERT marine engines

Hamburg, Germany – Cat® C-series, electronically-controlled, high-speed marine engines are recognised for their sustainable performance, combining high power, low emissions and state-of-the-art fuel consumption. At this year's Fort Lauderdale International Boat Show, Caterpillar will present two new high-performance ratings for its C18 ACERT® and C32 ACERT engines used in pleasure craft applications.

Produced to highest standards

The Cat C18 ACERT is an in-line, 6-cylinder, 4-stroke marine engine with 145 mm bore and 183 mm stroke displacing total 18.1 litres. With its new EPA (US Environmental Protection Agency) Tier 2-compliant E-rating, this engine provides 847 kW (1,150 mhp) at 2,300 rpm.

The Cat C32 ACERT is a vee-type, 12-cylinder, 4-stroke marine engine with 145 mm bore and 162 mm stroke displacing total 32.1 litres. With its new EPA Tier 2-compliant E-rating, this engine provides 847 kW (1,825 mhp) at 2,300 rpm.

Both new models, like the smaller C-series marine engines C7 through C32, are manufactured in Caterpillar's most-modern Marine Center of Excellence (MCOE) in Greenville, South Carolina, USA. At the MCOE, marine personnel including design engineers, application and installation engineers and customer support staff work together building complete products and controlling all aspects of the manufacturing process to ensure the highest quality standards. The MCOE further demonstrates Caterpillar's commitment to pleasure craft by blending cutting-edge processes with the ability to produce order-specific products and thus improved value for customers.

From good to great

The new C32 ACERT ratings, specifically designed for pleasure craft applications, have 9 percent more power than the former C32 versions without ACERT technology. The new C18 ACERT ratings have 13 percent more power than the former C18 versions without ACERT. Introducing a smaller and more robust engine block, the new C32 ACERT engine is designed to be particularly durable, reliable and fuel-efficient. Like the C18 ACERT, it also offers the latest Mechanically actuated Electronically controlled Unit Injection (MEUI) fuel system, Caterpillar's latest ADEM™ A4 Electronic Control Unit (ECU) and optimised turbo-charging and after-cooling.

In addition, maintenance and robustness have been improved for both the C18 ACERT and C32 ACERT engines. All standard maintenance items are mounted on the service side for easy access. The gear-driven water pump is self-priming. A titanium plate heat exchanger with integrated fuel cooler offers extended durability. Especially in the case of the C18 ACERT, a new seawater aftercooler provides improved serviceability and corrosion resistance. An engine-mounted gear cooler is also available.

ADEM software, which precisely determines fuel delivery, air management and all other engine functions, has been modified for the increased power rating and EPA Tier 2-compliant emission levels. Multiple fuel injection inserts fuel into the combustion chamber in a series of accurately timed "micro bursts". These features combine to provide lower specific fuel consumption, particularly at part load, and also reduce smoke and emissions while delivering reliable maximum power output.

A wealth of services

Providing great engine technology is one thing. Caterpillar, however, also offers yacht owners a comprehensive range of related services which, for example, permit the combining of financing and extended warranties into a lifetime customer care solution. Cat Financial provides world-wide construction, term and repower financing for ships with Cat marine engines. Cat Insurance offers Extended Service Coverage (ESC) for both new and used engines. Platinum ESC is available for 36-, 48- or 60-month periods and for up to 6,000 operating hours from date of

delivery on any new Cat propulsion engine or generating set. Advantage Platinum ESC covers propulsion engines less than eight years old and is available for 12-, 24- or 36-month periods, extending coverage for up to a total of 10 years.

In addition to all this, every Cat marine engine sold comes with an unmatched global sales and service network. More than 2,100 dealer locations across the world offer product support and spare parts when needed. More importantly, 120,000 dealer employees are pledged to provide maximum customer care. Together with 100,000 Caterpillar employees whose job is to provide product and manufacturing excellence, they make up the unique Team Caterpillar.

Preferred power

The new ratings for C18 ACERT and C32 ACERT marine engines provide ideal power for demanding planing hull applications like cruising yachts, performance yachts and sport fishing. In fact, well-known yacht builders like Hatteras, Sunseeker, Viking, Azimut and Riviera, to name but a few, have relied on Cat C-series products from the very beginning. With the increased ratings now available, customers are likely to see even more impressive boat designs with even better performance soon.

Improved performance from advanced Cat C-series engines not only means more power overall, but also better acceleration, more reserve power and rated power available at a wider speed range. Needless to say for an engine with ACERT technology, both C18 ACERT and C32 ACERT operate virtually smoke free under steady state operation as well as under acceleration. Taking also into account proven reliability, power density and fuel economy, it is easy to see the new EPA Tier 2-compliant C18 ACERT and C32 ACERT marine engines becoming the preferred source of power for yacht builders and owners world-wide.

Characters: 5,724

Pictures available on request:

- 1.) Cat C18 ACERT Marine Engine for Pleasure Craft**
- 2.) Cat C32 ACERT Marine Engine for Pleasure Craft**

About Caterpillar Marine Power Systems

Caterpillar Marine Power Systems, with headquarters in Hamburg, Germany, groups all the marketing and service activities for Cat and MaK marine engines within Caterpillar Inc. The organisation provides premier power solutions in the medium- and high-speed segments with outputs from 93 to 16,000 kW in main propulsion and 10 to 7,680 kWe in marine generator sets. The sales and service network includes more than 2,100 dealer locations world-wide dedicated to support customers in ocean-going, commercial marine and pleasure craft wherever they are.

More information is available at: <http://Marine.Cat.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 2007 sales and revenues of \$44.958 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 www.Cat.com.

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Editorial information:

Ronald Brüggmann

Manager Media Relations

Caterpillar Marine Power Systems

Phone: +49 40 2380-3104

E-mail: Brueggmann_Ronald@Cat.com

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