

Caterpillar Marine Power Systems

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Cat marine engines achieved DNV Clean Design notation

Hamburg, Germany – Caterpillar Marine Power Systems has achieved DNV Clean Design notation for a number of high-speed marine engine families. These engines were jointly developed to meet both the DNV Clean Design, EU Stage III A Inland Waterway (EU 97/68/EC) and US EPA Tier 2 Commercial Marine (40 CFR 94) requirements.

Available with DNV Clean Design notation are Cat® 3500C propulsion, C32 ACERT™ propulsion and auxiliary, C18 ACERT propulsion, C12 ACERT propulsion, and C9 ACERT propulsion and auxiliary. All these engine families exceed the requirements of DNV Clean Design with a further NO_x reduction of at least 15% on average. DNV Clean Design notation is also available for the latest generation of MaK medium-speed marine engines comprising M 20 C, M 32 C, M 43 C and the new M 25 C.

Environmental Class is the common name for DNV's voluntary class notations Clean and Clean Design for ships which are designed, built and operated to give additional protection to the environment. With respect to engine design DNV Clean certification requires reduction of NO_x emissions below current IMO Marpol limits.

Bob Hallengren, Technical Manager with Caterpillar Marine Power Systems, states "Many ship owners are anxious to have vessels that are as emissions friendly as possible, for these customers DNV Clean Design notation is a must. Our marine engines utilise the latest emissions reduction technology, and we can provide DNV Clean Design notation with a full suite of products."

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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