



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF TRANSPORTATION AND AIR QUALITY
ENGINE INTERNATIONAL AIR POLLUTION PREVENTION
CERTIFICATE



Manufacturer: **CATERPILLAR MOTOREN GMBH**
Engine Family: **8CATM20.4L33**
Certificate Number: **CAT-IMO-08-01**
Date Issued: **11/10/2009**

A handwritten signature in blue ink, appearing to read "Karl J. Simon", written over a horizontal line.

Karl J. Simon, Director
Compliance and Innovative Strategies Division
Office of Transportation and Air Quality

This is to certify that the manufacturer of the above mentioned marine diesel engine has provided information to the U.S. Environmental Protection Agency that demonstrates:

1. this engine has been tested in accordance with the requirements of the Technical Code on Control of Emission of Nitrogen Oxides from Marine Diesel Engines, and,
2. the engine, its components, adjustable features, and Technical File, prior to the engine's installation and/or service on board a ship, fully comply with the applicable regulation 13 of Annex VI to MARPOL 73/78

This certificate is valid for the life of the engine subject to surveys in accordance with regulation 5 of Annex VI to MARPOL 73/78, installed in ships under the authority of this Government.

Issued at U.S. Environmental Protection Agency, Office of Transportation and Air Quality,
Washington, DC



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This is to certify that this record is correct in all respects. Issued at U.S. Environmental Protection Agency,
Office of Transportation and Air Quality Washington, DC

Karl J. Simon, Director
Compliance and Innovative Strategies Division
Office of Transportation and Air Quality

1. Particulars of the engine

1.1 Name & address of manufacturer:

**Caterpillar Motoren GmbH & Co.
KG
Falckensteiner Straße 2
24159 Kiel Germany**

1.2 Place of engine build:

**Falckensteiner Str.2
24159 Kiel
Germany**

1.3 Date of engine build:

04/18/2008

1.4 Place of pre-certification survey:

**Caterpillar Motoren GmbH & Co.
KG
Falckensteiner Straße 2
24159 Kiel**

1.5 Date of pre-certification survey:

26.05.2008

1.6 Engine family:

8CATM20.4L33

1.7 Models:

6, 8, 9 M 25C

1.8 Test cycle:

**E2 Variable-Pitch and Electrically-Coupled props
(constant-speed propulsion engines)**

1.9 Rated Power(kW) & Speed(RPM):

2970 750

1.10 Engine certificate number:

CAT-IMO-08-01

1.11 Test fuel:

Diesel (Part89, Sub D, appdx A, Table 4)

1.12 NOx reducing device?:

Tier 2 -No

1.13 Applicable NOx Emission Limit(g/kW-hr):

11.97

1.14 Engine NOx Emission Value(g/kW-hr):

8,21

2 Particulars of the Technical File:

2.1 Technical File number:

62476-07HH

2.2 NOx verification number:

see NOx technical file