



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



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



Page 2

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



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF TRANSPORTATION AND AIR QUALITY
WASHINGTON, DC 20460



CERTIFICATE OF CONFORMITY
2008 MODEL YEAR

Manufacturer: **CATERPILLAR MOTOREN , KIEL**
Engine Family: **8CATM20.4L33**
Certificate Number: **CAT-MCI-08-01**
Intended Service: **PROPULSION / AUXILIARY**
Intended Service Fuel: **DIESEL (PART89, SUB D, APPDX A, TABLE 4)**
FELs: NOx: N/A THC+NOx: N/A PM: N/A
Effective Date: **2/3/2009**
Date Issued: **2/3/2009**

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

Pursuant to Section 213 of the Clean Air Act (42 U.S.C. § 7547) and 40 CFR Part 94, and subject to the terms and conditions prescribed in those provisions, this certificate of conformity is hereby issued with respect to the test engines which have been found to conform to applicable requirements and which represent the following marine engines, by engine family, more fully described in the documentation required by 40 CFR Part 94 and produced in the stated model year.

This certificate of conformity covers only those new marine compression-ignition engines which conform in all material respects to the design specifications that applied to those engines described in the documentation required by 40 CFR Part 94 and which are produced during the model year stated on this certificate of the said manufacturer, as defined in 40 CFR Part 94.

It is a term of this certificate that the manufacturer shall consent to all inspections described in 40 CFR Part 94 and authorized in a warrant or court order. Failure to comply with the requirements of such a warrant or court order may lead to revocation or suspension of this certificate for reasons specified in 40 CFR Part 94. It is also a term of this certificate that this certificate may be revoked or suspended or rendered void ab initio for other reasons specified in 40 CFR Part 94.

This certificate does not cover marine engines sold, offered for sale, introduced, or delivered for introduction into commerce in the U.S. prior to the effective date of the certificate.

**ENGINE AIR POLLUTION PREVENTION
DOCUMENT OF COMPLIANCE**

Issued under the provisions of the

Protocol of 1997 to amend the International Convention for the Prevention of Pollution from Ships, 1973, as modified by the Protocol of 1978 relating thereto (hereinafter referred to as "the Convention")

under the authority of the Government of

CANADA

by

Germanischer Lloyd

Engine Manufacturer	Model Number	Serial Number	Test Cycle	Rated Power (kW) and Speed (rpm)	Engine Approval Number
<i>Caterpillar Motoren GmbH & Co. KG</i>	<i>6M25C</i>	<i>45105</i>	<i>E2</i>	<i>1980 750</i>	<i>76590-09 HH</i>

THIS IS TO CERTIFY:

1. That the above-mentioned marine diesel engine has been surveyed for pre-certification in accordance with the requirements of the Technical Code on Control of Emission of Nitrogen Oxides from Marine Diesel Engines made mandatory by Annex VI of the Convention; and
2. That the pre-certification survey shows that 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 of the Convention.

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

Issued at Hamburg, 2009-04-22



Germanischer Lloyd


Hans-Joachim Götze


Kerstin Diekmann

2 PARTICULARS OF THE TECHNICAL FILE

- 2.1 Technical file identification/approval number **76590-09 HH**
- 2.2 Technical file approval date **2009-04-22**
- 2.3 The technical file, as required by chapter 2 of the NOx Technical Code, is an essential part of the EAPP Certificate and must always accompany an engine throughout its life and always be available on board a ship.

3 SPECIFICATIONS FOR THE ON-BOARD NOX VERIFICATION PROCEDURES FOR THE ENGINE PARAMETER SURVEY

- 3.1 On-board NOX verification procedures identification/approval number **76590-09 HH**
- 3.2 On-board NOX verification procedures approval date **2009-04-22**
- 3.3 The specifications for the on board NOx verification procedures, as required by chapter 6 of the NOx Technical Code, are an essential part of the EAPP Certificate and must always accompany an engine through its life and always be available on board a ship.

THIS IS TO CERTIFY that this Record is correct in all respects.

Issued at Germanischer Lloyd Head Office, Hamburg, 2009-04-22



Germanischer Lloyd

in. 
Hans-Joachim Götze


Kerstin Diekmann