INTERNATIONAL MARITIME ORGANIZATION

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4 ALBERT EMBANKMENT
LONDON SE1 7SR
Telephone: +44 (0)20 7735 7611 Fax: +44 (0)20 7587 3210

Ref. T5/1.01

MEPC.1/Circ.738
19 October 2010

INFORMATION ON AN APPROVED METHOD UNDER MARPOL ANNEX VI

Communication received from the Administration of Denmark

1 In accordance with the provisions of regulation 13.7.1 of MARPOL Annex VI, a communication has been received from the Administration of Denmark concerning certification of an approved method for marine diesel engines. The details are annexed hereto, and hereby circulated to Parties to MARPOL Annex VI and Member States of the Organization for information and appropriate action.

2 It should be noted that, for marine diesel engines with a power output of more than 5,000 kW and a per cylinder displacement at or above 90 litres installed on a ship constructed on or after 1 January 1990 but prior to 1 January 2000, installation of an approved method is required if the approved method for that engine has been certified by an Administration of a Party, or alternatively, for such engines, certification as provided for under regulation 13.7.1.2 of MARPOL Annex VI.

3 As the Administration of Denmark notified the certification of the approved method for engines specified in the annex to this circular on 5 October 2010, installation of the method for such engines will be mandatory no later than the first renewal survey for International Air Pollution Prevention Certificate, which occurs on or after 6 October 2011, subject to commercial availability.

4 Member Governments are invited to bring this circular to the attention of their Administrations, relevant shipping organizations, recognized organizations, shipping companies and other stakeholders, and encourage them to take action as appropriate.

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ANNEX

APPROVED METHOD FOR MAN B&W S70MC

Specification of the Engine Type				The Approved Method complies with the following requirements		Date of notification
Engine type	Manufacturer	MCR per cylinder (kW/cyl)	Rated speed (rpm)	Reg. 13.7.5.1	Reg. 13.7.5.2	
S70MC	MAN B&W	2,530 – 2,810*	81-91*	☑	☑	5 Oct. 2010

* within a range bounded by MCR per cylinder and rated speed on a power curve

SØFARTSSTYRELSEN

The International Maritime Organization
4 Albert Embankment
SE1 7SR London
United Kingdom

October 5, 2010
Our reference:
Case 201010593/1
File 30.80.01

Centre for Maritime Regulation/PK

DANISH MARITIME AUTHORITY
Vermundsgade 38 C
DK-2100 Copenhagen Ø

Tel. +45 39 17 44 00
Fax +45 39 17 44 01

dma@dma.dk
www.dma.dk

CVR-no. 29 83 16 10
EAN-nr. 5798000023000

MINISTRY OF ECONOMIC AND BUSINESS AFFAIRS

Subject: Certification of an approved method under the revised MARPOL Annex VI, regulation 13.7.5.

Dear Sirs,

In accordance with the revised MARPOL Annex VI, the Danish Maritime Authority hereby informs you that Denmark has certified the enclosed approved method in accordance with regulation 13.7.5 of the revised MARPOL Annex VI.

The certification of the approved method for the NO_x reduction engine type MAN B&W S70MC is attached for circulation in accordance with the revised MARPOL Annex VI, regulation 13.7.1 to contracting Member States.

Yours sincerely,

Palle Kristensen
Ship Surveyor
Tel. direct +45 39174562
E-mail pk@dma.dk

Notice of Compliance

Revised MARPOL 73/78, Annex VI Regulation 13

"Approved Method" for the Reduction of NO_x
Engine Type MAN B&W S70MC

This is to State

That a.-m. "Approved Method" has been verified under the provisions of the IMO Revised MARPOL Annex VI, Regulation 13, Paragraph 7.1, whereby a marine diesel engine with a power output of more than 5,000 kW and a per cylinder displacement at or above 90 litres installed on a ship constructed on or after 1 January 1990 but prior to 1 January 2000 shall comply with the mission limits set forth in subparagraph 7.4 of this regulation, provided that an "Approved Method" for that engine has been certified by an Administration of a Party and notification of such certification has been submitted to the Organization by the certifying Administration.

This is to Note

1. that this Notice of Compliance is valid only for the combination of engine type and fuel valve nozzles mentioned below.
2. that this Notice of Compliance does not replace the Approved Method File of the individual engine.

Specification of "Approved Method"

Manufacturer	:	MAN B&W
GL approval no.	**:**	**13235-10 HH**
Date of primary issue	:	2010-07-15

Component	Specification	MAN B&W IMO ID
Fuel valve nozzle 1	2 fuel valves per cylinder	3062363-7
Fuel valve nozzle 2	2 fuel valves per cylinder	3062364-9
Fuel pump plunger	Ø73 mm	Not applicable
Fuel cam rise	1.953 mm/deg	Not applicable

Specification of the Engine Type

Engine type	:	MAN B&W S70MC
Engine's Maximum Continuous Rating (MCR) per cylinder	:	2530 – 2810 kW/cyl
Engine's Rated speed	:	81-91 r/min

This is to Confirm

1. That the a.-m. "Approved Method" has been verified and approved in accordance with all provisions and requirements as applicable.
2. In particular the a.-m. "Approved Method" fulfils the following requirements:
   - The cost of the Approved Method does not exceed 375 Special Drawing Rights per metric tonne NO_x.
   - The power of the engine is not reduced by more than 1.0%.
   - The specific fuel consumption (SFOC) as calculated following ISO standard conditions for the appropriate E3 or E2 cycle is not increased by more than 2.0%.

Germanischer Lloyd
Issued at Hamburg, 2010-09-09 / Rev. 1

i.V. Hans-Joachim Götze

i.A. Dr. Fabian Kock

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