



MARINE DIVISION

Certificate number: 34735/A0 BV

File number: MOT 179/39

Product code: 02101

*This certificate is not valid when presented without the full attached schedule composed of 7 sections*

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## TYPE APPROVAL CERTIFICATE

*This certificate is issued to*

**Cummins, Inc.**

Charleston, SC - UNITED STATES OF AMERICA

*for the type of product*

**INTERNAL COMBUSTION ENGINES**

QSB6.7-M

**Requirements:**

BUREAU VERITAS Rules for the Classification of Steel Ships,  
BUREAU VERITAS Rules for the Classification of Naval Ships,  
BUREAU VERITAS Rules for the Classification of Offshore Units.

*This certificate is issued to attest that BUREAU VERITAS did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements mentioned above.*

**This certificate will expire on: 14 Oct 2018**

**For BUREAU VERITAS,**

At BV PORT EVERGLADES CENTRE, on 14 Oct 2013,

Flavio Rosas



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with BUREAU VERITAS. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. This certificate is issued within the scope of the General Conditions of BUREAU VERITAS Marine Division available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against BUREAU VERITAS for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

## THE SCHEDULE OF APPROVAL

### 1. PRODUCT DESCRIPTION:

#### **QSB6.7-M Internal Combustion Engine intended for Propulsion application**

6 Cylinders in line, 6.7 liter displacement diesel engine.  
Electronically controlled.  
Four stroke, Single acting, turbocharged and aftercooled direct injection.  
Bore X Stroke: 107 X 124 mm.

Approved prime power ratings:

kW	MHP	rpm
404	550	3300
353	480	3300
312	425	3000
280	380	3000
261	355	3000
261	355	2800
224	305	2600
184	250	2600
169	230	3000

### 2. DOCUMENTS AND DRAWINGS:

Crankshaft part number 5301008 and 4980462.

The whole list of submitted documentation is attached in Society MPA system under ref. PDR MOT179/39

### 3. TEST REPORTS:

Type Approval Test performed on 12nd June 2013 with engine QSB6.7-M at rating 404 kW @ 3300rpm under attendance of Society Surveyor.

### 4. APPLICATION / LIMITATION:

4.1 - Diesel engines intended for propulsion application.

4.2 - These engines may be fitted on ships granted with an automation notation provided that all the requirements stated in our Rules are complied with.

4.3 - These engines must not be used when duplication of lubricating oil pump and cooling water pump is requested.

4.4 - This Certificate applies to bare engines. If required by the Rules, each attached piece of equipment is to be either type-approved or design-appraised on a case by case basis.

4.5 - The engines will be delivered with the relevant documentation for their maintenance and their operation.

4.6 - The initial survey made at the factory does not prejudice of any additional test or survey which may be required for some specific applications, in order to comply with the related Rules of the Society.

4.7 - Where equipped with the 6B oil pan the engine is to withstand inclination of 35° Nose up, 20 ° Nose down and 30° side/side.

### 5. PRODUCTION SURVEY REQUIREMENTS:

5.1 -The **QSB6.7-M** are to be supplied by **Cummins, Inc.** in compliance with the type and the requirements described in this certificate.

5.2 - This type of product is within the category IBV of Bureau Veritas Rule Note NR320.

5.3 - BV product certificate is required.

5.4 - **Cummins, Inc.** has declared to Bureau Veritas that the type of product described in this certificate may be manufactured at the following production sites:

**Cummins Limited,  
Yarm RD, Darlington,  
County Durham, DL1 4PW  
United Kingdom**

and

**Cummins Inc. RMEP  
9377 US Hwy 301 N,  
Whitakers  
North Carolina  
NC 27891  
United States of America**

5.5 - Tests and trials as per the requirements of Part C, Chap. 1, Sec. 2 of BUREAU VERITAS Rules for the Classification of Steel (Naval) Ships, must be conducted.

5.6 - If required by the Rules, each attached piece of equipment is to be individually inspected at workshops by Society Surveyors. (See NR 266 DNC).

5.7 - The engine must be tested with all its final equipment accessories.

5.8 - The inspection made at the manufacturer premises does not prejudice of any additional equipment which may be required for some specific applications, in order to comply with the related Rules of the Society.

**6. MARKING OF PRODUCT:**

- Serial number.
- Rated power and speed.
- Application.
- Date of workshop trial.
- Bureau Veritas' Marks.

**7. OTHERS:**

7.1 - The engines shall be equipped with the parts listed in the manufacturer's Parts Catalog exclusively.

7.2 - The following information must be provided for each delivery:

- Actual rating
- List of actual attached equipment
- List of actual options.

7.3 - It is understood that the herewith mentioned manufacturer will give the shipyards and the related subcontractors all the relevant information for the proper fitting and uses of the product covered in this Type Approval Certificate. This information has to include the conditions stated in the Certificate.

It is also understood that Bureau Veritas remains rightfully entitled to perform any check or test on the product at any time.

**\*\*\* END OF CERTIFICATE \*\*\***