DNV·GL

TYPE APPROVAL CERTIFICATE

Certificate No:
TAM00000UG

This is to certify:

That the Diesel Engine

with type designation(s)
QSK95-M, QSK95-DM

Issued to
Cummins Inc.
IN CHARLESTON, United States

is found to comply with
DNV GL Rules for classification, Ships - Pt.4, Ch.3, Sec.1, Reciprocating Internal Combustion Engines

Application :

propulsion, multi engine plant / auxiliary

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.

This Certificate is valid until **9th April, 2023**.

Issued at **Hamburg** on **10th April, 2018**
DNV GL local station: **New York** for **DNV GL**

Approval Engineer: **Ralph Michael**

Burkhard Lilienthal
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

Job Id: **262.1-025762-1**
Certificate No: **TAM00000UG**

Product description

four stroke, v-engine, non-reversible, trunk-piston, with supercharging, with charge air cooling, constant-pressure charging system, direct injection, injection operation electronically controlled, valve operation by cams, liquid fuel

Cylinder bore [mm]	190
Piston stroke [mm]	210
No. of cylinders	16

Additional place of production

Cummins Engine Company, Inc., Seymour, United States

Application/Limitation

Rated power [kW/cyl.]	196.9	196	186	186	168	164	149
Rated speed [rpm]	1800	1700	1800	1700	1700	1500	1500
Mean effective pressure [bar]	22	23.2	20.9	22.1	19.9	22	20
Definition	Prime	Intermittent	MCD	Duty	Heavy duty	Prime	Cont. duty

Type Approval documentation

Tests carried out

Documentation:

Test report titel	QSK95 Marine IMO Tier II IACS Type Approval Testing
Place of test	Seymour Engine Plant, Cell HHP7
Date of test	2016-05-23 until 2016-05-27

Test engine:

Model	QSK95 Marine IMO
Serial no.	37267864
No. of cylinders	16
Power [kW/cyl.]	196
Speed [rpm]	1700

Marking of product

The product to be marked with manufacturer's name or trademark and type number identification.

Periodical assessment

Periodical assessment is to be performed after 2 years and after 3.5 years. A renewal assessment will be performed at renewal of the certificate.
The objective of the Periodical Assessment is to verify that the conditions for the Type Approval are not altered since the Type Approval certificate was issued.
In case where the Type Approved product is manufactured at other companies, the Periodical Assessment shall verify that the Type Approval applicant has a quality control system for consistent production at their licensees/subcontractors. Furthermore Periodical Assessment shall be carried out randomly at these companies.

Other Conditions

Engine safety, control and monitoring systems, including sensors and actuators, are not covered by this certificate. Documentation for engine safety, control (including speed governing), and monitoring systems shall be submitted for approval according to DNV GL Rules Ships Pt.4 Ch.9 Sec.1 Table 5 and/or as listed in relevant Type Approval certificates.

END OF CERTIFICATE