TYPE APPROVAL CERTIFICATE

Certificate No:
TAM00000UH

This is to certify:

That the Gas Engine

with type designations
C26:33L

Issued to
Bergen Engines AS
Hordvik, Norway

is found to comply with
DNV GL Rules for classification, Ships - DNVGL-RU-SHIP-Pt4 Ch3 Sec1, Reciprocating Internal Combustion Engines

Application :

Propulsion, multi engine plant / auxiliary

The approval is valid for inherently gas safe and emergency shutdown protected machinery spaces

Products approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.

This Certificate is valid until **30th June, 2022**.

Issued at **Høvik** on **27th February, 2018**
DNV GL local station: **Bergen** for **DNV GL**

Approval Engineer: **Dag Harald Williksen**

Oddvar Deinboll
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: **262.1-009219-6**
Certificate No: **TAM00000UH**

Product description

Four stroke, in-line engine, non-reversible, trunk-piston, with supercharging, with charge air cooling, gaseous fuel

Cylinder bore [mm]	260
Piston stroke [mm]	330
No. of cylinders	6, 8 and 9

Application/Limitation

Rated power [kW/cyl.]	263	292
Rated speed [rpm]	900	1000
Mean effective pressure [bar]	20	20
Max. firing pressure [bar]	211	211

Type Approval documentation

Tests carried out

Documentation:

Test report titel	EB14-209
Place of test	Hordviknesset, Bergen, Norway
Date of test	2014-12-01 until 2014-12-03

Test engine:

Model	C26:33L6-AG
Serial no.	14508
No. of cylinders	6
Power [kW/cyl.]	292
Speed [rpm]	1000

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.

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

Flexible hoses to be Type Approved by DNV GL.

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

Electric cables and installation of these are not covered by this approval and must be verified to comply with the requirement of the Rules Pt.4 Ch.8 - Electrical Installation.

END OF CERTIFICATE