

# TYPE APPROVAL CERTIFICATE

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**This is to certify:**

**That the Diesel Engine**

with type designation(s)  
**Daihatsu 6DK(M)-26 (F)(L)**

Issued to

**Anqing CSSC Diesel Engine Co., Ltd.**  
**ANQING ANHUI, China**

is found to comply with  
**Det Norske Veritas' Rules for Classification of Ships**

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**Application :**

**The approval is valid for propulsion and auxiliary duty.**

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

**Rating see page two of certificate**

This Certificate is valid until **2018-06-30**.

Issued at **Høvik** on **2015-10-22**

DNV GL local station: **Wuhan**

Approval Engineer: **Tage Olav Alexander Strøm**

for **DNV GL**

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**Oddvar Deinboll**  
**Head of Section**

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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: **262.1-009408-2**  
Certificate No: **TAM0000037**

## Product description

Four Stroke Diesel Engine

Cylinder bore: 260 mm  
Piston stroke: 380 mm  
No. of cylinders: 6 In-line

"-": Generator engine, eg 6DK-26  
"M": Propulsion engine, eg 6DKM-26  
"F": Propulsion engine with power takeoff to other equipment, eg 6DKM-26F  
"L": Anticlockwise rotation, seen from flywheel side, eg 6DKM-26L

## Application/Limitation

The approval is valid for propulsion and auxiliary duty and based on the following main data:

|                                 |                 |
|---------------------------------|-----------------|
|                                 | 6DK(M)-26(F)(L) |
| Mean indicated pressure, [bar]: | 25,3/24,3       |
| Max. cylinder pressure, [bar]*: | 170             |
| Rated cont.output, [kW]:        | 1710            |
| Corresponding to, [RPM]:        | 720/750         |

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## Marking of product

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

## Periodical Assessment

For retention of the Type Approval, a DNV surveyor shall perform a survey every second year and before the expiry date of this certificate to verify that the conditions of the type approval are complied with.

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. The main scope of the Periodical Assessment will normally include:

- Verification of the Type Approval applicant's production and quality system w.r.t. ensuring continued consistent production of the Type Approved products at the Type Approval applicant's own premises and at other companies that are given the responsibility for manufacturing of the products.
- Review of the Type Approval documentation and that this is still used as basis for the production
- Review of possible changes to the design, the material and the performance of the product
- Verification of the product marking.

In cases 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

Foundation arrangement to be submitted for each installation according to the Rules, Pt. Ch.3 Sec.1 A500 – Documentation of arrangement.

Torsional vibration calculations to be submitted for each installation according to the Rules Pt.4, Ch.3, Sec.1, G - Vibration.

Signboards according to the Rules Pt.4, Ch.3, Sec.1, C 406.  
Flexible hoses to be Type Approved by DNV.

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 C2 and/or as listed in relevant type approval certificates.

Electric cables and installation of this is not covered by this approval and must be verified to comply with the requirement of DNV Rules for Ships/ High, Speed Light Craft and Naval Surface Craft Pt.4 Ch.8 - Electrical Installation.

The approval does not include driven member.

END OF CERTIFICATE