



DNV

TYPE APPROVAL CERTIFICATE

Certificate No:
TAM000018C

This is to certify:

That the Diesel Engine

with type designation
74DTAG-2V

Issued to

Sandfirden Technics B.V.
Den Oever, Netherlands

is found to comply with

DNV Rules for classification, Ships - DNVGL-RU-SHIP-Pt4 Ch3 Sec1, Reciprocating Internal Combustion Engines

Application :

Auxiliary / emergency

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

Issued at **Høvik** on **10th May, 2021**

This Certificate is valid until **9th May, 2026**.

DNV local station: **Rotterdam**

for **DNV**

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.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.

Product description

Four stroke, in-line engine, non-reversible, trunk-piston, with supercharging, with charge air cooling, direct injection, injection operation by cams, valve operation by cams, liquid fuel

Cylinder bore [mm]	108
Piston stroke [mm]	134
No. of cylinders	6

Additional place of production

AGCO POWER OY, Linnavuori, Finland

Application/Limitation

Rated power [kW]	146
Rated speed [rpm]	1500
Mean effective pressure [bar]	15.9
Max. firing pressure [bar]	123
Definition	

Type Approval documentation

Tests carried out

Documentation:

Test report title	Type Approval Test 74DTAG
Place of test	Hippolytushoef, Netherland, SANDFIRDEN TECHNICS
Date of test	2009-06-25 until 2009-06-26

Test engine:

Model	74DTAG
Serial no.	U05943
No. of cylinders	6

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 with couplings 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 the rules Pt.4 Ch.9 Sec.1 Table 5 - Documentation requirements.

Electric cables and cabling are not covered by this approval and must be verified to comply to the rules Pt.4 Ch.8 - Electrical Installation.

END OF CERTIFICATE