DNV·GL

CERTIFICATE OF CONFORMITY – EC (MODULE G)

Certificate No:
MEDG00000AF

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED). This Certificate is issued by DNV GL SE based on the notification of the Federal Maritime and Hydrographic Agency of Germany.

This is to certify:

That the On board exhaust gas cleaning systems

with type designation and serial number
DL True-Hybrid 8,5 MW-SW/FW Scrubber installed onboard LINDA (IMO 9354325) - 8003/2015

Issued to
Langh Ship Oy Ab
PIKIS, Finland

is, by design assessment and product verification, found to comply with
Regulation **(EU) 2015/559,**
Annex A.1, item No. A.1/2.10 and Annex B, Module G in the Directive. Marpol 73/78 as amended, Annex VI Regulation 4 and IMO Res. MEPC.259(68)

USCG Approval No: **N/A**

Further details of the equipment and conditions for certification are given overleaf.

Issued at **Hamburg** on **2017-01-24**

for **DNV GL SE**

DNV GL local station:
Hamburg Environmental Certification

Approval Engineer:
Mirko Schlegelmilch

Notified Body
No.: **0098**

Sven Dudszus
Head of Notified Body

0098/yyyy

0098: Notified Body number undertaking quality surveillance
yyyy: The year in which the mark is affixed

The product liability tests with the manufacturer or his representative in accordance with Directive 2014/90/EU. This certificate remains valid unless suspended, withdrawn, recalled or cancelled, provided this equipment is not modified without the acceptance of the notified body named herein.

This certificate authorises the manufacturer to affix the "Mark of Conformity" (wheelmark) to the product described herein.

© DNV GL 2014. DNV GL and the Horizon Graphic are trademarks of DNV GL AS.

Job Id:
Certificate No: **MEDG00000AF**

Product description

On board exhaust gas cleaning system used as an alternative compliance method with fuel oil sulphur limits.
Installed on Vessel "m/s Linda", IMO no. 9354325

Application/Limitation

According to MEPC.259(68) - Scheme B, compliance with fuel oil sulphur requirements is demonstrated by continuous exhaust gas monitoring. The monitoring system is subject to periodical surveys according to MEPC.259(68).

Type Examination documentation

Exhaust Gas Cleaning (EGC) -System SOx Emissions Compliance Plan (SECP) m/s Linda, Version 2014-03-25 – approved 2016-02-22.

Hybrid Exhaust Gas Cleaning (EGC) - System Technical Manual, "Scheme" B m/s Linda, Version 2016-06-21-08-45 – approved 2016-08-03.

Exhaust Gas Cleaning (EGC) –System On Board Monitoring Manual (OMM) "Scheme" B m/s Linda, Version 2017-01-13-11-37 – approved: 2017-01-19.

Exhaust Gas Cleaning (EGC) –System Record Book "Scheme" B m/s Linda, Version 2015-03-25 – approved 2016-02-22.

Tests carried out

On-board verification of Exhaust Gas Cleaning System Test report:
DNV GL Checklist for verification of Exhaust Gas Cleaning Systems
DNV GL Id no. G111029, date of issue: 2015-11-12, reviewed: 2016-03-09