DNV·GL

Certificate No:
MEDG00000JJ

CERTIFICATE OF CONFORMITY – EC (MODULE G)

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED), issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Authority. This Certificate is issued by DNV GL AS under the authority of the Government of Norway.

This is to certify:

That the On board exhaust gas cleaning systems

with type designation and serial number
VDL AEC - OLS 300 installed onboard Maran Elegance (IMO 9648295) - 32227

Issued to
VDL AEC Maritime B.V.
Eindhoven, Noord-Brabant, Netherlands

is, by design assessment and product verification, found to comply with
Regulation **(EU) 2019/1397,**
item No. MED/2.10. 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 **Høvik** on **2019-11-28**

DNV GL local station:
Høvik Machinery

Approval Engineer:
Tin Nguyen

Notified Body
No.: **0575**

for **DNV GL AS**

Roald Vårheim
Head of Notified Body

0575/yyyy

0575: Notified Body number undertaking quality surveillance
yyyy: The year in which the mark is affixed

NORWEGIAN ACCREDITATION PROD 019

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled, provided this equipment is not modified without the acceptance of the notified body named herein.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.

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Job Id: **344.1-008990-2**
Certificate No: **MEDG00000JJ**

Product description
On-board exhaust gas cleaning system (EGCS) used as an alternative compliance method with fuel oil Sulphur limits as required by MARPOL Annex VI, Reg 14.

Application/Limitation
According to MEPC.259(68) - Scheme B, compliance with fuel oil Sulphur requirements is demonstrated by continuous exhaust gas and washwater discharge monitoring. The monitoring system is subject to periodical surveys according to MEPC.259(68).

Type Examination documentation

M18.011-M-001	Exhaust Gas Cleaning System SOx Emissions Compliance Plan (SECP)
M18.011-M-004	Exhaust Gas Cleaning System Technical Manual (ETM-B)
M18.011-M-003	Exhaust Gas Cleaning System Onboard Monitoring Manual (OMM)
M18.011-M-002	EGC Record Book

Tests carried out

32296 - 25991395/DNV	DNV GL MARPOL Verification Survey checklist EGCS (dated 2019-09-12)

Marking of product
The product is to be indelibly marked with name and address of manufacturer, type designation, dimensions and date of manufacture. In addition, the manufacturer shall affix the Mark of Conformity followed by the DNV GL Notified Body No. 0575 and the production year (4 digits).

END OF CERTIFICATE