

CERTIFICATE OF CONFORMITY - EC (MODULE G)

Certificate No:
MEDG0000084

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

Marine SOx Scrubber installed onboard MEIN SCHIFF 1 (IMO 9783564) - 110293 AFT, 110293 FWD

Issued to

**Valmet Technologies Oy
TAMPERE, Finland**

is, by design assessment and product verification, found to comply with
Regulation **(EU) 2017/306,**
item No. MED/2.10. Marpol 73/78 as amended, Annex VI Regulation 4 and IMO Res.
MEPC.259(68)

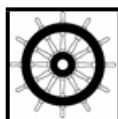
USCG Approval No: **N/A**

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

Issued at **Høvik** on **2018-04-16**

DNV GL local station:
Høvik Machinery

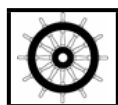
Approval Engineer:
Tin Nguyen



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



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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled, provided this equipment is not modified without the acceptance of the notified body named herein.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



Job Id: **344.1-006180-1**
Certificate No: **MEDG0000084**

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

P00467093	Exhaust Gas Cleaning System SOx Emissions Compliance Plan (SECP)
P00453806	Exhaust Gas Cleaning System Technical Manual – Scheme B (ETM-B)
P00464038	Exhaust Gas Cleaning System Onboard Monitoring Manual (OMM)
P00514327	EGC Record Book

Tests carried out

On-board verification of Exhaust Gas Cleaning System report:

35372 - 23898778/DNV	DNV GL Checklist for verification of Exhaust Gas Cleaning Systems (EGC 631), date of issue: 2018-02-22.
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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