DNV·GL

Certificate No:
**MEDG00000ZU**

# 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
**Open Loop EGC system installed onboard Talos (IMO 9728930) - ECW19FB2123**

Issued to
## Kangrim Heavy Industries Co.,Ltd.
**Changwon-si, Gyeongsangnam-do, Republic of Korea**

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 **2020-08-12**

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled, provided this equipment is not modified without the acceptance of the notified body named herein.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

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV GL AS, its parent companies and subsidiaries as well as their officers, directors and employees ("DNV GL") 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.



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Job Id: **344.1-010620-4**
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## 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

| | |
|---|---|
| ECW19FB2123 Rev.0 | ETM-B – Technical Manual for Scheme B |
| ECW19FB2123 Rev.0 | OMM – On Board Monitoring Manual |
| ECW19FB2123 Rev.0 | EGC Record Book |
| ECW19FB2123 Rev.0 | SECP – SOx Emissions Compliance Plan |

## Tests carried out
EGCS MARPOL Verification Survey attended by DNV GL from the 2020-07-28 to the 2020-07-30.

## 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