DNV·GL

STATEMENT OF COMPLIANCE

Statement No:
002/171214
DNV GL Id. No:
10564901

Particulars of Product

Name of Product: **Machinery Operation Simulator**

Type designation: **K-Sim® Engine DEDF42 Cruise Ferry**

Particulars of Manufacturer

Manufacturer: **Kongsberg Digital AS, Maritime Simulation**

Manufacturer address: **Horten, Norway**

This is to confirm:

That the above product is found to comply with Class S- Standard for Certification of Maritime Simulators No. DNVGL-ST-0033 March 2017.

Application

The above Standard is based on requirements in the STCW Convention, Regulation I/12.

This Statement is valid until **2022-12-14**, provided the requirements for the retention of the Statement will be complied with.

Issued at **Sandefjord** on **2017-12-14**

for **DNV GL**

Nils Gunnar Bøe
Head of DNV GL SeaSkill

Capt. Aksel David Nordholm
Auditor

3609

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Application/Limitation

Training Elements
The engine room simulator comprising the following training elements:
• Training tool in order to deliver training that complies with the IGF (STCW) code
• LNG Bunkering Operation
• LNG Behaviour (Quality)
• Operational Principles Dual Fuel Generator Installations
• Fundamentals of Automation, Instrumentation and Control Systems

System familiarisation, operations and procedures:
• Propulsion Plant Integrated Automation System (Kongsberg standard IAS)
o Alarm and Safety Warning System
o Power Management System
o Propulsion Control System
• Dual Fuel Diesel Generator Sets and Support Systems
• Electric Power Supply including Switchboards and Distribution Centre
• Ventilation Control System in Machinery Space
• Onboard LNG storage and Bunkering System
• Shore side mimic: Selection of Barge, Tank and Truck (Including: Fuel quality, methane number,Wobbe index, density)
• LNG Monitor system for bunker operation
• LNG ESD (Gas Trip), for example switch-over at low methane number
• Gas Heating
• Fuel Oil and Gas supply system for Diesel Generators
• Propulsion Control Panel

Ref:
1.) DNVGL-ST-0026:2014-04 Competence related to the on board use of LNG as fuel
2) INTERNATIONAL CODE OF SAFETY FOR SHIPS USING GASES OR OTHER LOW-FLASHPOINT FUELS (IGF CODE)

This Statement of Compliance is for the manufacturer offering the simulator for examination or mandatory simulator training and complies with the requirements of DNVGL-ST-0033 Maritime Simulator Systems.

Based on this statement of compliance, maritime training providers in possession of simulators that comply with the requirements of the standard can apply for a product certificate for "Maritime simulator". The simulator's function area and the simulator class according to the standard will be stated on the certificate.