

STATEMENT OF COMPLIANCE

Particulars of Product

Name of Product: **Machinery Operation Simulator**Type designation: **K-Sim Engine MaK 6M453 River M22**

Particulars of Manufacturer

Manufacturer: **Kongsberg Digital AS**Manufacturer address: **Maritime Simulation, Horten, Norway**

This is to confirm:

That the above product is found to comply with Class A- 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 **2022-06-15**, provided the requirements for the retention of the Statement will be complied with.

Issued at **Sandefjord** on **2017-06-19**

for **DNV GL**


Nils Gunnar Bøe
Area Manager




Capt. Aksel David Nordholm
Auditor



Application/Limitation

STCW Reference	Competence
Table A-III/1.1	Maintain a safe engineering watch
Table A-III/1.3	Use internal communication systems
Table A-III/1.4	Operate main and auxiliary machinery and associated control systems
Table A-III/1.5	Operate fuel, lubrication, ballast and other pumping systems and associated control systems
Table A-III/1.6	Operate electrical, electronic and control systems
Table A-III/1.11	Maintain seaworthiness of the ship
Table A-III/2.1	Manage the operation of propulsion plant machinery
Table A-III/2.2	Plan and schedule operations
Table A-III/2.3	Operation, surveillance, performance assessment and maintaining safety of propulsion plant and auxiliary machinery
Table A-III/2.4	Manage fuel, lubrication and ballast operations
Table A-III/2.5	Manage operation of electrical and electronic control equipment
Table A-III/2.6	Manage troubleshooting restoration of electrical and electronic control equipment to operating condition
Table A-III/2.8	Detect and identify the cause of machinery malfunctions and correct faults
Table A-III/2.10	Control trim, stability and stress
Table A-III/2.11	Monitor and control compliance with legislative requirements and measures to ensure safety of life at sea and protection of the marine environment
Table A-III/2.14	Use leadership and managerial skills
Table A-III/4.2	For keeping a boiler watch: Maintain the correct water levels and steam pressures
Table A-III/6.1	Monitor the operation of electrical, electronic and control systems
Table A-III/6.2	Monitor the operation of automatic control systems of propulsion and auxiliary machinery
Table A-III/6.3	Operate generators and distribution systems
Table A-III/6.5	Operate computers and computer networks on ships
Table A-III/6.6	Use internal communication systems
Table A-III/6.8	Maintenance and repair of automation and control systems of main propulsion and auxiliary machinery
Table A-III/6.9	Maintenance and repair of bridge navigation equipment and ship communication systems
Table A-III/6.11	Maintenance and repair of control and safety systems of hotel equipment
Table A-III/7.5	Contribute to the maintenance and repair of electrical systems and machinery on board

Limitation

Sec. 4, Table C1, 1.1.2, The following main components is not simulated in this model:

- deck machinery applicable to the ship model
- watermist and sewage treatment system
- *LO Separator*