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| Overview | This standard covers the competence to monitor and operate vessel propulsion systems in accordance with appropriate procedures, safety rules and regulations. Operating instructions are followed to start up and shut down machinery and systems in the correct sequence. Conditions are maintained within given levels and reports are made on changes in condition. Measures are taken to avoid pollution of the marine environment.  **Target Group**  This standard applies to individuals at a support or operational level with responsibility for engine room machinery on fishing vessels. |

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| **Performance criteria**  You must be able to: | 1. carry out planned operations in accordance with established safety rules, regulations, operating instructions and pollution control and to prevent damage 2. start up and shut down operations in the correct sequence and timing required for safe and efficient machinery operations 3. maintain machinery and equipment conditions and instrument readings within specified levels according to manufacturers recommendations during normal running 4. monitor machinery in accordance with schedules and instructions 5. monitor and report on the condition, performance and any irregularities of the machinery and equipment, to the appropriate person 6. make adjustments for a safe and efficient operation and rectify minor faults and deviations 7. give sufficient notice of operations to enable other personnel to carry out their duties safely 8. accurately maintain up to date records |

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| Knowledge and understanding  You need to know and understand: | 1. engineering practices and procedures for vessel propulsion machinery, auxiliaries and services 2. the purpose of an engine room log and checklists 3. the routine duties, procedures and safe working practices to be carried out 4. basic environmental protection procedures to be carried out 5. the preparation of machinery and auxiliaries 6. the machinery operating instructions, normal running conditions and manufacturer's instructions 7. emergency shut down sequence, timing and hazards 8. escape routes from the machinery space 9. location and use of fire-fighting and damage control equipment 10. reporting procedures 11. entry into enclosed spaces |

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