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| Overview | This standard covers the competence to prepare and carry out maintenance to schedule or instructions. The machinery and equipment may be in the machinery spaces or on deck. Materials, equipment, machines and tools are obtained, stored and secured. Maintenance specification and plans are available and the work area is made safe for work to proceed. Maintenance is carried out under supervision and faults are identified, recorded and reported and the work area is restored to operational requirements on completion.  **Target Group**  This standard applies to individuals at a support level with responsibility for maintaining machinery and equipment to instructions on vessels of any type and of any registered power. |

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| **Performance criteria**  You must be able to: | 1. prepare materials, tools and equipment to maintain machinery in accordance with orders 2. confirm that work areas, machinery and equipment are safe for work to proceed and comply with legislative requirements, codes of practice, isolation procedures, permit to work procedures and environmental concerns 3. carry out the maintenance, checks and tests under supervision in accordance with established safety rules and regulations, manufacturers instructions and good practice 4. identify and report where equipment and parts fail to meet required performance and rectify where these fall within own areas of responsibility 5. on completion of work, complete the Permit to Work and/or transfer procedures to organisational requirements 6. complete documentation and records accurately and to meet future requirements |

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| Knowledge and understanding  You need to know and understand: | 1. the possible hazards associated with the work area and equipment and machinery in the work area 2. the need and procedures to isolate and de-isolate systems 3. the organisational requirements for permits to work 4. the use of tools and equipment for maintenance and repair of machinery and equipment 5. basic mechanical engineering practices 6. the maintenance required for vessel mechanical equipment 7. routine test procedures and technical requirements of tests 8. the use of internal communication systems and effective forms of communication. 9. statutory regulations and guidelines, organisational instructions and guidance, and vessel contingency plans |

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