

Work Processes Schedule

MAINTENANCE MECHANIC (ANY INDUSTRY)

RAPIDS: 0308N

O*NET/SOC: 49-9041.00

REVISION DATE: 12/2014

Repairs and maintains, in accordance with diagrams, sketches, operation manuals, and manufacturer's specifications, machinery and mechanical equipment, such as engines, motors, pneumatic tools, conveyor systems, and production machines and equipment. Demonstrate knowledge and skills for qualifying as Journeyman. Applicable Job Qualification Requirements will be used as a guide in performing tasks and demonstrating knowledge in the following areas. Actual work time must be recorded in the Work Experience Log.

Applicable Ratings/MOS

USMC MOS 1120, 1142, 1161, 1169, 2141, 2146, 2147, 2148, 3521, 3522, 3525, 3529, 5951, 6072, 6073, 6499

USCG MK

USN ABE, ABF, AD, AS, EN, GS, MM, MMA, MMN

Related Instruction

Any trade related schools/courses totaling 576 hours

Additional Requirement

None

Total Hours: **8000**

Skill	Description	Hours
A	<p>PERFORM GENERAL BENCH WORK</p> <p>Including drilling, tapping, threading, reamlapping, counterboring, countersinking, filing, scraping, chipping, using screw extractors, torque wrenches, common hand/power tools; maintain tool crib; observe safety precautions.</p>	600
B	<p>USE AND MAINTAIN TEST AND CALIBRATION EQUIPMENT</p> <p>Including freon leak detector, stroboscope, dead-weight tester, lube oil testing equipment, temperature testing devices, vernier height gauge, pyrometer; perform hydrostatic tests.</p>	600
C	<p>READ AND INTERPRET</p> <p>Diagrams, blueprints, schematics, and operating specifications; interpret drawings and written specifications of manufacturers to determine how to install, maintain, align, place, or adjust machinery.</p>	600
D	<p>OPERATE, MAINTAIN, AND TROUBLESHOOT</p> <p>Mechanical, pneumatic, and hydraulic equipment such as galley equipment, laundry equipment, pumps, compressors, generators, oil purifiers, condensers, air-operated actuators; observe safety precautions.</p>	2250
E	<p>OPERATE, MAINTAIN, AND TROUBLESHOOT, AND REPAIR</p> <p>Refrigeration and air conditioning systems including testing, dehydration, and</p>	500

	recharging; auxiliary power units to include testing, troubleshooting and repair; observe safety precautions.	
F	FABRICATE, MANUFACTURE, TEST, AND INSTALL Valve bonnet gaskets, rigid tubing, flexible hose assemblies, flange shields, packing rings.	1200
G	INSTALL, REPAIR, TEST, AND ADJUST Thermal expansion valves, seal rings, relief valves, bearings, valve springs, gaskets, governors, pump couplings, rotors, heat exchangers; air pilot valves, actuators; isolate and correct ruptures in piping; observe safety precautions.	2250