

Work Processes Schedule

FUEL-SYSTEM-MAINTENANCE WORKER (ANY INDUSTRY)

RAPIDS: 0610N

O*NET/SOC: 49-9041.00

REVISION DATE: 12/2014

Installs, maintains, repairs, and adjusts pumps, control valves and meters, strainers and filters, water separators, and piping of liquid fuel systems. Makes periodic inspections of units to detect and correct leakage, corrosion, faulty fittings, and malfunction of mechanical units, meters, and gauges. Inspects electrical wiring, switches, and controls for safe operating condition. Repairs, replaces, and adjusts malfunctioning equipment

Applicable Ratings/MOS

USMC MOS 1391

USCG None

USN AB, EN, GS

Related Instruction

Any trade related schools/courses totaling 288 hours.

Additional Requirement

ABE/ABH must have SHIPBOARD AVIATION FUELS COURSE in addition to A school.

Total Hours: **4000**

Skill	Description	Hours
A	GENERAL ADMINISTRATION Operate office equipment. Prepare reports. Use and maintain directives. Maintain files, records, and logs.	100
B	TECHNICAL ADMINISTRATION Complete maintenance data system (MDS) forms. Complete planned maintenance system (PMS) forms. Use charts and tables. Use blueprints and schematics.	300
C	LOGISTIC Verify installed equipment and spare parts support in COSAL. Conduct inventories of parts and supplies. Order equipment, parts, tools, and supplies. Order directives and manuals.	300
D	SAFETY Conform to prescribed safety standards. Operate portable fire fighting equipment. Operate fixed fire fighting equipment. Conform to fuel tank entry regulations.	300
E	POLLUTION CONTROL Conform to petroleum spill prevention precautions. Control or minimize the effects of petroleum spillage.	200
	CORROSION CONTROL AND MATERIAL PRESERVATION	

F	Conduct oil and fuel system and equipment inspection. Conduct oil and fuel tank inspection. Treat corrosion and deterioration.	200
TEST EQUIPMENT		
G	Use and maintain measuring equipment. Use portable atmosphere test equipment. Troubleshoot portable test equipment.	100
SUPPORT OPERATIONS		
H	Maintain and use common hand tools. Maintain and use precision tools. Rig for lifting of heavy equipment. Read pressure gauges. Operate portable breathing apparatus. Operate portable pumps. Operate fuel pumping systems.	500
MECHANICAL MAINTENANCE		
I	Maintain fuel hose assemblies on receiving and service stations. Perform preventive maintenance (PMS) on the fuel, defuel, and lube oil systems. Calibrate, adjust, and test the JP-5 and lube oil systems. Troubleshoot the JP-5 and lube oil pumping systems and components within them. Replace diaphragms in hydraulic control valves. Remove and replace components of the fuel and lube oil systems. Repair valves (globe, gate, butterfly, and check). Drain and clean centrifugal purifiers. Inspect and replace filter separator elements. Rebuild centrifugal purifiers. Rebuild pumps (centrifugal, rotary vane, and rotary gear). Clean fuel and lube oil tanks.	2000