

PUMPER-GAUGER

RAPIDS: 0950D

O*NET/SOC: 53-7121.00

REVISION DATE: 10/2019

TRADE DESCRIPTION: Load and unload chemicals and bulk solids, such as coal, sand, and grain into or from tank cars, trucks, or ships using material moving equipment. May perform a variety of other tasks relating to shipment of products. May gauge or sample shipping tanks and test them for leaks.

TASK PERFORMANCE: 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; each skill area must be completed.

Applicable Ratings/MOS/NEC

USMC MOS: 1391

USCG: None

USN: ABF, EN

USA MOS: 92F

Related Instruction:

Trade related On-The-Job-Training (OJT) or Any trade related schools/courses totaling 288 or more hours.

Additional Requirement:

None

Total Hours: **4000**

Skill	Description	Hours
A	PUMPING	800

	<ul style="list-style-type: none"> -- Unload cars containing liquids by connecting hoses to outlet plugs and pumping compressed air into cars to force liquids into storage tanks. -- Connect ground cables to carry off static electricity when unloading tanker cars. 	
B	<p>GAUGING AND WEIGHING</p> <ul style="list-style-type: none"> -- Record operating data such as products and quantities pumped, gauge readings, and operating times, manually or using computers. -- Check conditions and weights of vessels to ensure cleanliness and compliance with loading procedures. -- Lower gauge rods into tanks or read meters to verify contents, temperatures, and volumes of liquid loads. 	800
C	<p>SAMPLING AND TESTING</p> <ul style="list-style-type: none"> -- Test samples for specific gravity, using hydrometers, or send samples to laboratories for testing. -- Copy and attach load specifications to loaded tanks. -- Test vessels for leaks, damage, and defects, and repair or replace defective parts as necessary. 	800
D	<p>OPERATIONS</p> <ul style="list-style-type: none"> -- Verify tank car, barge, or truck load numbers to ensure car placement accuracy based on written or verbal instructions. -- Observe positions of cars passing loading spouts, and swing spouts into the correct positions at the appropriate times. -- Operate ship loading and unloading equipment, conveyors, hoists, and other specialized material handling equipment such as railroad tank car unloading equipment. -- Remove and replace tank car dome caps, or direct other workers in their removal and replacement. -- Perform general warehouse activities, such as opening containers and crates, filling warehouse orders, assisting in taking inventory, and weighing and checking materials. -- Start pumps and adjust valves or cables to regulate the flow of products to vessels, using knowledge of loading procedures. -- Operate conveyors and equipment to transfer grain or other materials from transportation vehicles. -- Record operating data such as products and quantities pumped, gauge readings, and operating times, manually or using computers. 	1200

	-- Operate industrial trucks, tractors, loaders and other equipment to transport materials to and from transportation vehicles and loading docks, and to store and retrieve materials in warehouses.	
E	<p>SAFETY AND FIRST AID</p> <p>-- Practice/monitor safety procedures in handling petroleum products.</p> <p>-- Operate and maintain portable firefighting equipment.</p> <p>-- Participate in first aid classes/procedures for personal contamination by toxic materials and petroleum products.</p> <p>-- Participate in petroleum firefighting classes/procedures.</p>	200
F	<p>CLEANING AND SERVICING</p> <p>-- Clean interiors of tank cars or tank trucks, using mechanical spray nozzles.</p> <p>-- Seal outlet valves on tank cars, barges, and trucks.</p>	200