**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

<table>
<thead>
<tr>
<th>Skill</th>
<th>Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>PUMPING</td>
<td>800</td>
</tr>
</tbody>
</table>
-- 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 GAUGING AND WEIGHING

-- 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.

C SAMPLING AND TESTING

-- 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.

D OPERATIONS

-- 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.
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.

<table>
<thead>
<tr>
<th>E</th>
<th>SAFETY AND FIRST AID</th>
<th>200</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>-- Practice/monitor safety procedures in handling petroleum products.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>-- Operate and maintain portable firefighting equipment.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>-- Participate in first aid classes/procedures for personal contamination by toxic materials and petroleum products.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>-- Participate in petroleum firefighting classes/procedures.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>F</th>
<th>CLEANING AND SERVICING</th>
<th>200</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>-- Clean interiors of tank cars or tank trucks, using mechanical spray nozzles.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>-- Seal outlet valves on tank cars, barges, and trucks.</td>
<td></td>
</tr>
</tbody>
</table>