



# Training Specialties Inc.

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## Apparatus Inspection:

<p><b>Chassis Inspection:</b></p> <p>Engine oil level Transmission level Idle speed Power steering Fluid level</p>	<p><b>Water Pump Check:</b></p> <p>Relief valve operation Pump oil level Primer pump operation and level Pump shifting performance Drain Valves Auxiliary cooler Volume/pressure control operation Discharge valve controls Compound and Duplex gauge Pump packing</p>	<p><b>Liquid Pump Check:</b></p> <p>Pump packing Pump lubrication Pump drive system and motor Related valves and controls Operation System controls</p>
<p><b>Electrical System:</b></p> <p>Head lights Parking lights Directional signals Clearance lights Interior cab lights Horns Wipers</p>	<p><b>Foam System Check:</b></p> <p>Hydraulic tank oil and level Tank breather Valves Hoses Controls Selector functions Indicator lights Filters</p>	<p><b>Pump Certification:</b></p> <p>150 psi 1 hr. rated capacity test 165 psi 10 min. rated capacity test 200 psi 15 min. rated capacity test 250 psi 15 min. rated capacity test</p> <p>Note: 1. Supply new pump rate &amp; engine speed plate per test results. 2. All test are performed from a draft condition</p>

### Foam Concentrate Injection Testing:

**NFPA 1901** requires foam system accuracy testing be performed prior to delivery of new apparatus by the manufacturer. Even though NFPA does not required yearly testing, a yearly system check is recommended. Just as fire pumps and fire hose is tested, IFSTA recommends a yearly system check.

Designed to check the foam system accuracy at the design parameters according to the apparatus manufacturer. Each foam discharge is tested for proper flow and accuracy, assuring the customer the apparatus is accurately flowing foam at a fixed percentage, and that each discharge is proportioning foam concentrate at the set percentage, according to **NFPA 11** standards for foam system operations.

TSI will check each discharge at 1% - 3% - 6% using the water equivalency method. Every discharge will be flowed at the manufacturer's recommended nominal flow. A calibrated flow meter will be placed into the aux. liquid suction connection and the above injection points will be verified. TSI can make field adjustments on National Foam Servo Command and Pierce Husky units.