

# Washington Township Fire Department Standard Operating Procedure

Division 500: Maintenance  
Section 501: Vehicles & Fire Apparatus  
Subject 501.12: Water Tank Additive  
Supersedes: Maintenance Bulletin 85-5 (12/26/85)



## Approved By:

Date: September 17, 2007 Date Last Reviewed:

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## PURPOSE:

To establish a departmental policy for adding pump and valve lubricant to water tanks.

## RESPONSIBILITY:

All Driver/Operators have the responsibility to add a lubricant into water tanks to help maintain the fire pump and valves on fire apparatus. Members will familiarize themselves with the provisions of this policy and practice them.

## PROCEDURES:

Keep an adequate supply of pump and valve lubricant at the fire stations. Add lubricant mixes with the tank water to help maintain the condition of the fire pump and valves.

Add lubricant every time the tank is emptied. Once added, agitate the mixture by engaging the pump and circulating the tank water for several minutes. Disengage the pump, then open and close all valves to exercise them with the lubricant mixture in the pump, piping and tank.

Zep Lubeze 14, mixed with water in the proportions given below is the lubricant the Department uses.

**Table 1**

Dry Measuring Article* - ounces	Liquid Measurement – fluid ounces	Gallons of water treated
*16 oz. (1 pound) Coffee Can	18.6	500
24	27.9	750
32	37.2	1,000
40	46.5	1,250
48	55.8	1,500

**NOTE: Fluid ounces shown are simply the exact conversion from dry to liquid.  
Actual added measurements may be under or over by an ounce.**

## REFERENCES:

Material Safety Data Sheet