

## FIX-N-FAX #79

### CALIFORNIA DEPARTMENT OF FORESTRY AND FIRE PROTECTION

No. 79

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#### **Fire Engine Water Tank Failure Water Tank Treatment (Fire Engines)**

During the past fire seasons, cracks in the floor of the water tank in the wheel well area have occurred on several #1 and #5 engines.

Repairs to these units and others found during winter maintenance tank treatment inspections should be accomplished by welding a reinforcing patch in the leaking area as pictured and re-treated as outlined in Handbook 3620.

A careful inspection of the tank attaching brackets and the truck frame rails should be made to assure that the tank is not in a bind because of a bent frame.

#### WATER TANK TREATMENT (FIRE ENGINES)

Labor and material savings can be realized on fire engine water tank re-treatment by using a cold tar epoxy material being marketed under several brand names. This includes those tanks previously treated with a vinyl material; however, it will require sandblasting of the interior of the tank to white metal and careful application of the cold tar epoxy material, per the manufacturer's recommendation.

References:                      Carboline - Carbomastic 200  
   Porter Coatings - Tarsel C-200  
   Koppers Co. - Bitumastic 300-M

These coatings have been approved as nontoxic for portable water service and meets the Corps of Engineers Standard C-200.

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