



SEPTEMBER / OCTOBER 2010

A TRAIN FOR SC:

Part 32, by Ken Bain

Jerry Oyler has been working on the boiler. In the last write-up I mentioned that the grab rails on the boiler were made from copper pipe and the standard size has changed since 1954. The grab rails had multiple dents and after all the work that has been done on the engine we did not want an obvious 'eye sore' on the sides of the boiler.

Jerry approached 'Empire Metal Products' and they determined that new grab rails could be made from stainless steel. The new grab rails have been fabricated and they are beautiful! Jerry has applied a prime coat of paint on the boiler and has started to remove the 55 year old paint buildup on the external cab parts. The cab sides and roof have details that we want to preserve and therefore the paint removal has to be done with chemical paint stripper.



(Boiler shell)

As a result of outside storage in the weather, water had entered the boiler shell

through the smokestack and rusted out the front bottom in the smokebox area. Cliff Fought has measured this area and offered to fabricate a steel band to repair the damage.

My original thought was to do a hydro test on the air tank. While we were working on the condensate drain I found that the tank metal was around an eighth of an inch thick and solid. Because this is for air pressure and not steam I decided that 100% overpressure with air would provide an adequate safety check. The air tank was subjected to 120 PSI and held at this pressure for five minutes. There were no leaks and the tank held the pressure. For the 60 PSI operating pressure, I felt this was OK.

The original pressure regulating valve was a very good quality part and I wanted to use it for the safety valve. However the problem was that it leaked air. Disassembly found that the ball bearing used for the valve was corroded. With a little lathe work the ball was removed and rotated 180 degrees. After re-machining the ball seat the valve no longer leaked. Nothing seems to go easy on a machine this old.

To finish off the air system, the necessary pipe fittings were purchased and the pressure switch and the safety valve were mounted on the air tank. The air compressor relay and the electrical junctions were put in a junction box and installed on the air compressor mounting base. Surprise, it all fit in the cab.

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Please Deliver to:

A Train for SC (cont.)



(inside cab)

I found it takes 4 1/2 minutes for the system to go from 0 to 60 PSI. Blowing the whistle for a crossing signal causes the pressure to drop from 60 PSI to 50 PSI.



(so that's what's inside a boiler)

Recovery back to 60 PSI took 45 seconds. I think this should be satisfactory.

Progress is being made.

SAHUARO CENTRAL WEBSITE:

Sahuaro Central's web site is <http://www.adobemtnndeserttrpark.com/> Readers can find current news and this newsletter as well as the Maricopa Live Steamers and Arizona Model Railroading Society newsletters.

The Sahuaro Central newsletter is distributed electronically via e-mail to members and friends who have notified the editor of their e-mail address. Just send an e-mail requesting e-mail distribution to: DBauer2250@aol.com.

FALL MEETS:

The MLS Fall Meet is October 14-17, 2010. The SC/AMRS "Model Railroad Adventures Swap Meet" will be October 16, 2010.

MLS will resume public train rides on September 12, 2010. Sundays, 12 -4:30. AMRS open houses also resume on Sundays from 1:30-4pm as of 9/12.

Does this mean fall is coming? We have it on reliable authority that temperatures in the area will actually be below 115 degrees for the fall meets.

Don't miss either the MLS meet or the "Model Railroad Adventures Swap Meet". Avoid the crowds; arrive early and stay late!

COMING EVENTS:

Coming to Adobe Mountain Desert Railroad Park: Military Appreciation Day Nov 6 (See story following); Annual Toy Drive, Dec. with MLS Special runs and real Fire Truck, Dec.12, Christmas Lights, Dec 9,10,11 Night train rides to view the lights. Please bring a toy to donate to the Toy Drive. More info on all of these upcoming events can be found on the Sahuaro Central Website. How cool!

MARICOPA LIVE STEAMERS, SAHUARO CENTRAL & ARIZONA MODEL RAILROADING SOCIETY

**Proudly announce Military
Appreciation Day**

Saturday November 6, 2010

10 AM – 5 PM

**43rd Ave. South of Pinnacle Peak Rd on
the west side.**

We invite all military personnel and their families to our railroad park for free train rides, food & drink.

The Railroad Museum, Model Railroading Building & Outdoor Garden Scale layout will be available for public access.

For the safety of individuals, riders must be able to walk to the trains, no expecting mothers and no persons over 300lb can ride the trains.

For more information, contact

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Train Schedule – Arrivals -2010-

Adobe Mountain Desert Railroad Park is located on 43rd Avenue, just south of Pinnacle Peak Road, Phoenix, Arizona

Sep 11, AMRS General Meeting, 9 am
Adobe Mountain Desert RR Park

Sep 11, MLS Business Meeting, 1 pm
Adobe Mountain Desert RR Park

**Sep 12, Trains return to MLS,
Public Rides Resume**

Oct 9, MLS Business Meeting, 1 pm
Adobe Mountain Desert RR Park

Oct 9, AMRS General Meeting, 9 am
Adobe Mountain Desert RR Park

Oct 9-10, McCormick Ranch Railfair
McCormick Ranch Park, Scottsdale

MLS Fall Meet, Oct 14-17
Adobe Mountain Desert RR Park
AMRS Railroad Adventures Swap Meet

Nov 6, Military Appreciation Day
Adobe Mountain Desert RR Park

Nov 13, MLS Business Meeting, 1 pm
Adobe Mountain Desert RR Park

Nov 13, AMRS General Meeting, 9 am
Adobe Mountain Desert RR Park

**Dec 9-11, MLS Christmas Light Night
Runs, Toy Drive**
Adobe Mountain Desert RR Park

Dec 11, MLS Business Meeting, 1 pm
Adobe Mountain Desert RR Park

Dec 11, AMRS General Meeting, 9 am
Adobe Mountain Desert RR Park