

KLS Steam Engine SAFETY CHECK and WITNESS Form*

Owner's Preparation: (Review KLS: Policies, Note: Appendix B)

This form is for Live Steam Model Locomotives that have had their boiler certified by the Washington State Department of Labor and Industries (WSDL&I) and assigned by them an identification number.

KLS does not require nor recommend that you do a hydro test on the boiler. The owner/operator alone is responsible for this safety check, the results of which are recorded on this form. Refer to appendix B of the KLS policies for additional information.

WITH A KLS AUTHORIZED WITNESS PRESENT, check the box or record the information, as required.!
Press Hard to assure a good copy.

Locomotive Owner's full printed name: _____

Locomotive Road Name & Number: _____

Wheel Arrangement "For example 0-4-0": _____

Note: do not fire the boiler until steps 1 thru 6 are completed

1. ☐ Record the WSDL&I Boiler and Locomotive Identification number.: _____
2. ☐ Record the certified WDL&I Maximum Allowable Working Pressure: _____ PSI.
3. ☐ Confirm a minimum of 2 ways to put water into boiler one while the Locomotive is stationary.
4. ☐ Confirm a minimum of 2 or more pressure relief valves, a working whistle, and sight glass as per KLS Policies.
5. ☐ Verify that the top of the crown-sheet is a minimum of ½ inch below the bottom of the sight glass. The sight glass can be modified to achieve this with a mask.
6. ☐ Check the accuracy of the boiler's pressure gauge. (Must be within +/- 4% of the calibrated test gauge): Note the reading of the test gauge: _____ PSI. Note the reading of the engine's gauge: _____ PSI.
7. ☐ Fire the boiler to check and record the accuracy of the two pressure relief valves. Note: There must not be a difference of more than 5 psi between the two valves and the upper pressure must not exceed the MAWP. (ASME and KLS allows a variance of +/- 4% from this requirement).
First Safety Valve lifted at _____ PSI, Second Safety Valve lifted at _____ PSI.
8. ☐ Test to confirm the Water Sight Glass is functioning properly.
9. ☐ Confirm the whistle works, or that an appropriate alternative is available.

Locomotive Owner's Signature: _____

KLS Witness full name: _____

KLS Witness Signature: _____ **Date:** _____

The white copy is for the owner and the yellow copy is for KLS.

Notes:

1. Step 6: This is best done by removing the locomotive pressure gauge and mounting it on KLS's test rig
2. Step 7: By any safe means, hold the lower valve closed so that the pressure rises until the upper valve opens.
3. Step 8: Refer to the sight glass blow-down recognized process.