

TERLYN "LSB8000"

APPLICATION PARAMETERS

LSB8000 will remove existing scale and corrosion deposits in locomotive steam boilers, and prevent the future build-up of these elements. To achieve this, it is imperative the treatment remains in the boiler, LSB8000 will not escape with the steam, therefore; treatment loss can only occur through blow-down or leaks. On scale gage steamers a short blow-down is required only once every 6 - 8 hours of steaming.

Clean-up feed rate for LSB8000 on a typical live steam application is 3-6 oz. added to the boiler during the initial fill, with the same amount (3-6 oz.) added to the tender. Repeat this for 4-10 steaming days. Boiler washouts are highly recommended and should be done 2-5 times during the clean-up period to remove scale & corrosion loosened by the treatment. Once the boiler is clean, reduce feed to maintenance level.

Typical Maintenance Application:

1. Add 1 to 2 ounces of LSB8000 directly into the boiler during the initial fill. Add the same amount (1 - 2 oz.) to the tender at the mid-point of the steaming day. Feed rate is directly proportionate to make-up water quality, however; it is very difficult to over feed, so if in doubt, use a little extra treatment and adjust according to results.
2. Reduce blow-down to maintain 3000 - 6000 TDS (Total Dissolved Solids). On scale gauge engines it may be difficult to reach this range. If so, eliminate blow-down for a few days to increase cycles of concentration. LSB8000 is extremely stable. It will not escape with the steam, and does not induce foaming. If mild foaming occurs during clean up due to existing scale, increase blow-down "slightly". Boiler washouts will also help eliminate foaming.
3. If you will be steaming consecutive days, it is not necessary to drain and re-treat the boiler. Simply add LSB8000 to the tender once each morning. At the end of each steaming event, if you will not be steaming again for two (2) weeks or more, blow-down, drain, and washout the boiler. To prepare for the next steaming event, repeat steps 1 & 2.
4. Prior to long term storage, washout the boiler thoroughly and allow it to dry completely.

Since LSB8000 will remove existing scale and corrosion deposits, during the first several days of treatment you will likely notice some crud and sediment come out with the blow-down and during boiler washouts, This is a normal part of the clean-up process and is governed by the condition of the boiler. Once the boiler is clean, blow-down water will be clear and free of contaminants. If pitting corrosion is present in the boiler it is possible that minor leaks may appear. This is NOT due to the treatment "eating" the boiler, but the result of LSB8000 removing the iron-oxide (rust) and revealing corrosion damage. Once the system is clean you will experience no further scale or corrosion build up.

HAPPY STEAMING

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