



PROVING PERFORMANCE

HAMR[™]
WELDED FROGS





Frog repaired 6/12/2019, tonnage exceeds 100MGT

THE BACKGROUND

Over the last two years, Holland has repaired over 100 frogs via automated welding on multiple Class 1 and Short Line railroads. When a selection of repairs on a Class 1 was evaluated over a year later, the hot wire welded frogs demonstrated superior performance to traditionally repaired frogs and are continuing to exceed expectations.

THE STATS

- 20+ frogs were inspected
- All the frogs inspected have surpassed two to three years of traffic
- Minor maintenance grinding will allow them to continue to perform at this level
- The estimated tonnage on the inspected frogs range from 170 MGT to over 190 MGT at time of inspection
- As of December 2021, the life of the repairs range from over 2 years to 3 years. Tonnage exceeds over 170 MGT for all 20+ frogs in track!

Email sales@hollandco.com

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Call 708.672.2300



Frog repaired 9/4/2019, tonnage 85MGT