

National Transportation Safety Board

Office of Research and Engineering

Washington, DC 20594



HMD22LR001

MATERIALS LABORATORY

Errata Report 22-045C

February 23, 2023

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A. ACCIDENT INFORMATION

Location: Oklaunion, Texas
Date: January 8, 2022
Vehicle: DOT 117J tank cars
Investigator: Paul Stancil, RPH-20

B. COMPONENTS EXAMINED

Piece of tank shell, head, front sill pad, head brace, and stub sill from the A end of TILX 731751 and shell piece from TILX 731762.

C. EXAMINATION PARTICIPANTS

Specialist Matthew R. Fox, Ph.D.
NTSB
Washington, DC

D. DETAILS OF THE EXAMINATION

The excess throat thickness values listed in the last column of table 2 of Materials Laboratory Factual Report 22-045 were miscalculated. The correct values, which were higher than the previously reported values, are listed below.

Weld	Excess throat thickness (%)
HPL1i	71
HPL1o	32
HPT1i	25
HPT1o	49
PBL1i	97
PBL1o	29
PBT1i	26
PBT1o	17

Additionally, the last sentence on page 5 of Materials Laboratory Factual Report 22-045 should read as follows.

The observed throat dimensions were 17% to 97% larger than the specified theoretical throat length used in the weld strength calculations.

Submitted by:

Matthew R. Fox, Ph.D.
Chief Technical Advisor - Materials