



**CORRECTION**

# Correction: Damage Analysis of Switch Rail Welding by Examining Hardness and Microstructural Features: A Case Study of Addis Ababa Light Rail Transit

Ruhama Minwuyelet · Daniel Tilahun

Published online: 3 October 2023  
© ASM International 2023

## Correction to: J Fail. Anal. and Preven.

<https://doi.org/10.1007/s11668-023-01762-0>

Ruhama Minwuyelet's and Daniel Tilahun's complete affiliations are correct as reflected here.

The captions of Figs. 9, 10, and 11 are correct as follows:

Fig. 9 Microstructural features of welded rail specimen that were cooled at 2 °C/s cooling rate

Fig. 10 Microstructural features of welded rail specimen that were cooled at 6 °C/s cooling rate

Fig. 11 Microstructural features of welded rail specimen that were cooled at 3 °C/s cooling rate

In Table 2 in the original article the entries in the Rail head corrugation row were misaligned. Following is the corrected table:

**Table 2** The detailed outputs of failure mode, effects, and criticality analysis (FMECA) of the switch panel of AALRT

Failure modes	Likelihood of occurrence (1–5)	Likelihood of severity (1–10)	Rate of detection (1–10)	Risk priority number (RPN)
Gauge corner Spalling	5	7	4	140
Gauge corner wear	4	6	4	96
Rail head wear	3	5	4	60
Rail head corrugation	3	3	6	54
Squat	2	4	5	40
Pit	2	4	5	40
Corrosion	2	2	2	8
<b>Total RPN</b>				<b>438</b>

**Publisher's Note** Springer Nature remains neutral with regard to jurisdictional claims in published maps and institutional affiliations.

The original article can be found online at <https://doi.org/10.1007/s11668-023-01762-0>.

R. Minwuyelet (✉)  
African Railway Centre of Excellence, Addis Ababa Institute of Technology, Addis Ababa University, Addis Ababa, Ethiopia  
e-mail: ruhama.minwuyelet@aait.edu.et

D. Tilahun  
School of Industrial and Mechanical Engineering, Addis Ababa Institute of Technology, Addis Ababa University, Addis Ababa, Ethiopia