

**IMPRESE FERROVIARIE con certificato di
sicurezza per traffico merci**

Loro SEDI

**AZIENDE FERROVIARIE DI CUI AL D.M.
5/8/2016**

(elenco gestori elenco allegato)

Loro sedi

**Soggetti Responsabili della Manutenzione
carri merci**

Loro SEDI

Detentori carri merci

Loro SEDI

RETE FERROVIARIA ITALIANA S.p.A.

Direzione Tecnica

Piazza della Croce Rossa, 1

00161 Roma

**ASSOFERR - Associazione Operatori
Ferroviari e Intermodali**

c/o ASSTRA

Piazza Cola di Rienzo, 80/a

00192 Roma

p.c. **MINISTERO DELLE INFRASTRUTTURE E DEI
TRASPORTI**

**Direzione Generale per le investigazioni
ferroviarie e marittime**

Via Nomentana, 2

00144 Roma

**Oggetto: Aggiornamento del Safety Alert relativo a fessurazioni saldature anelli di rinforzo carri
cisterna di tipo Z23A (Serie Zacns).**

Riferimento: Safety Alert prot. ANSF n. 0003924/2018 del 05/03/2018

Allegato: Safety Alert inviato dall'Autorità nazionale preposta alla sicurezza ferroviaria dei Paesi
Bassi (ILT Inspectie Leefomgeving en Transport) e relativa documentazione.

L'Autorità nazionale preposta alla sicurezza ferroviaria dei Paesi Bassi (ILT - Inspectie Leefomgeving en Transport) ha pubblicato un Safety Alert che integra quello dell'autorità nazionale preposta alla sicurezza ferroviaria della Polonia, comunicato con la nota a riferimento.

Nel Safety Alert allegato, a cui si rimanda per gli ulteriori dettagli, l'ILT informa che sono stati trovati cretti sulle saldature degli anelli di rinforzo dei carri cisterna di tipo Z23A (capacità 87 mc) e Z24A (capacità 97 mc), serie Zacns, prodotti da Greenbrier Europe/Wagony Świdnica S.A. con sede a Świdnica. Le analisi effettuate dal costruttore riconducono a difetti di saldatura. L'ILT comunica che:

- i cretti sulle saldature degli anelli sono gradualmente e non bruschi, rilevabili con ispezione visiva secondo quanto indicato dal costruttore. Greenbrier Europe ha preso provvedimenti per svolgere direttamente la supervisione attraverso accordi tra proprietari ed utilizzatori; la supervisione continua sull'esercizio dei carri verrà effettuata fino alla loro riparazione o fino a quando saranno soggetti a revisione obbligatoria dopo 4 anni di funzionamento.
- se viene rilevato un cretto sulle saldature degli anelli, a prescindere dalle sue dimensioni, si raccomanda l'immediato ritiro dei carri dal servizio e l'invio a riparazione.

1914

Dear Mother
I received your letter of the 10th and was glad to hear from you. I am well and hope these few lines will find you the same. I have not much news to write at present. I am still in the same place and doing the same work. I have not seen any of the old friends here. I have not much news to write at present. I am still in the same place and doing the same work. I have not seen any of the old friends here.

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Codesti Soggetti devono adottare, ognuno per quanto di propria competenza, le azioni mitigative disposte dall'Autorità nazionale preposta alla sicurezza ferroviaria dei Paesi Bassi e tutte gli ulteriori provvedimenti ritenuti necessari che dovranno comunque tener conto di quanto segnalato nel documento allegato e di quanto eventualmente fatto presente dal costruttore e dall'ECM interessato.

Si invitano i Soggetti in indirizzo ad attivarsi nel rispetto dell'art. 5, comma 5 del Regolamento Europeo n. 445/2011, scambiando le informazioni necessarie ad evitare che gli eventi possano ripetersi e fornendo riscontro alla scrivente Agenzia.

Il Dirigente
Ing. Giovanni Caruso



REPORT

The purpose of this report is to provide a comprehensive overview of the project's progress and findings. The data collected during the study indicates a significant increase in efficiency, which is attributed to the implementation of the new system. The results are consistent with the initial hypothesis and suggest that the proposed changes are effective. Further research is needed to explore the long-term impact of these changes and to identify potential areas for improvement. The findings are discussed in detail in the following sections, and the conclusions are summarized at the end of the report.

SAFETY ALERT

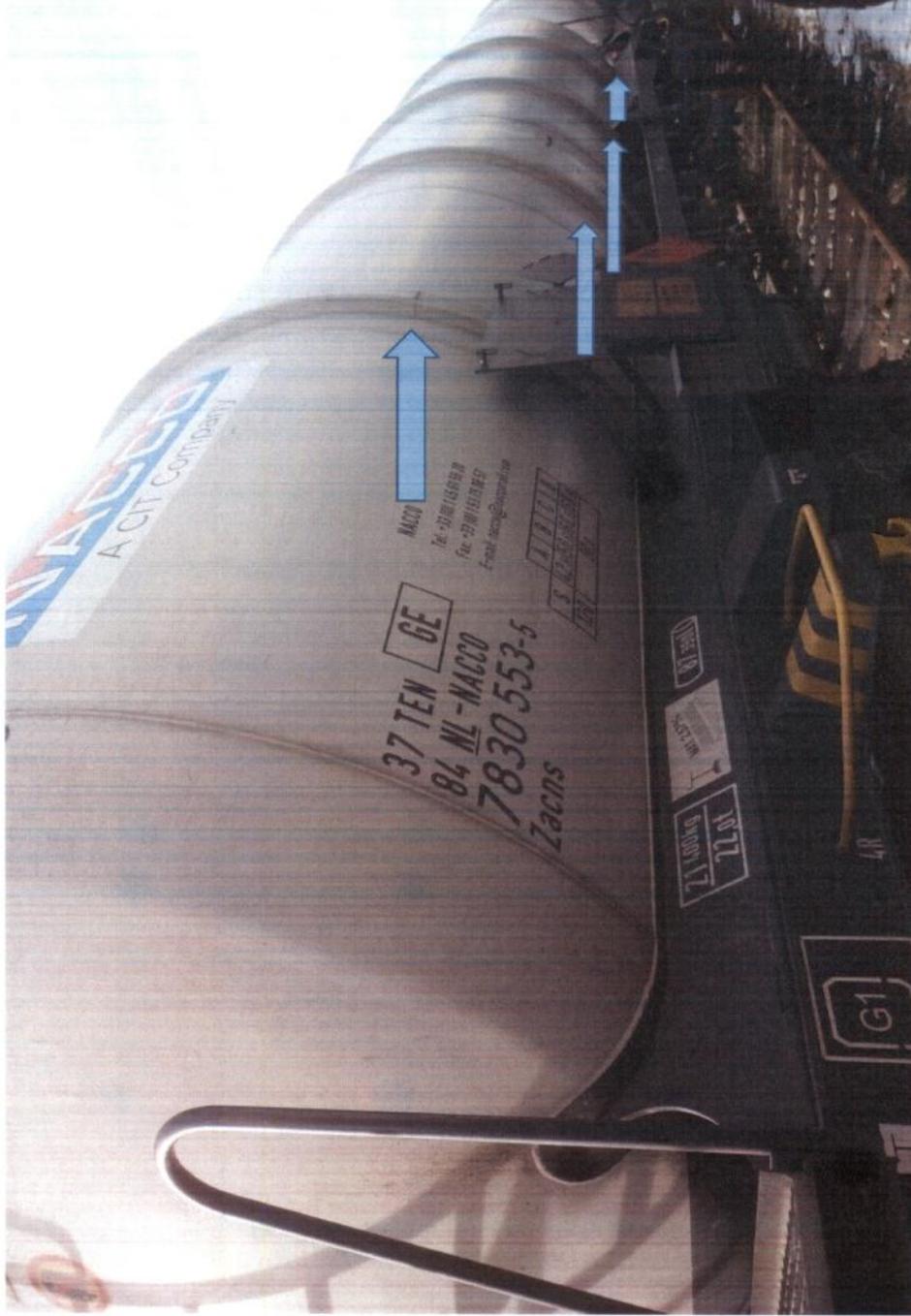
SYSTEM/ EQUIPMENT	Tank wagons type Z23A .		
SAFETY ISSUE DESCRIPTION	The President of the Office of Rail Transport informs that 16 cracks of welds on strengthening rings in tank wagons type Z23A (series Zacns) were found, vehicles were produced by Greenbrier Europe/ Wagony Świdnica S.A. with headquarters in Świdnica. Wagons type Z23A have authorisation for placing in service nr NL5320150003 from 3 September 2015 given by the NSA of Netherlands. 400 wagons of this type are in the Netherlands register (NVR).		
CIRCUMSTANCES <i>(e.g. special weather conditions)</i>	Wagons type Z23A with L4BH tank code according to RID, are intended for the transport of dangerous goods of class 3 (liquid flammable). All cases of cracking occurred on first rings and they are located near longitudinal tank axle. Welds on next three rings are shifted relatively to each other.		
REASON FOR ISSUE	Indicated cracks refer to the tank wagons type Z23A. Given the above, it is recommended to conduct unplanned inspections of all vehicles from this type regarding possible weld cracks on strengthening rings. Irregularities related to the technical condition of wagons should be immediately reported to the ECM and manufacturer. It is also advisable to notify the NSA of the Netherlands (Inspectiedienst Verkeer en Waterstaat).		
LIST OF SUPPORTING DOCUMENTS <i>(e.g. PHOTOS, LINKS)</i>	Information about vehicle type and photographic documentation of the cracks		
LINKED WITH OCCURRENCE NOTIFIED TO ERA DATABASE?	no	LINK TO ERA NOTIFICATION	
OCCURRENCE DATE	-		

ISSUER

ORGANISATION	Office of Rail Transport – National Safety Authority in Poland		
CONTACT DATA	 -		utk@utk.gov.pl
ISSUE DATE	28/02/2018		



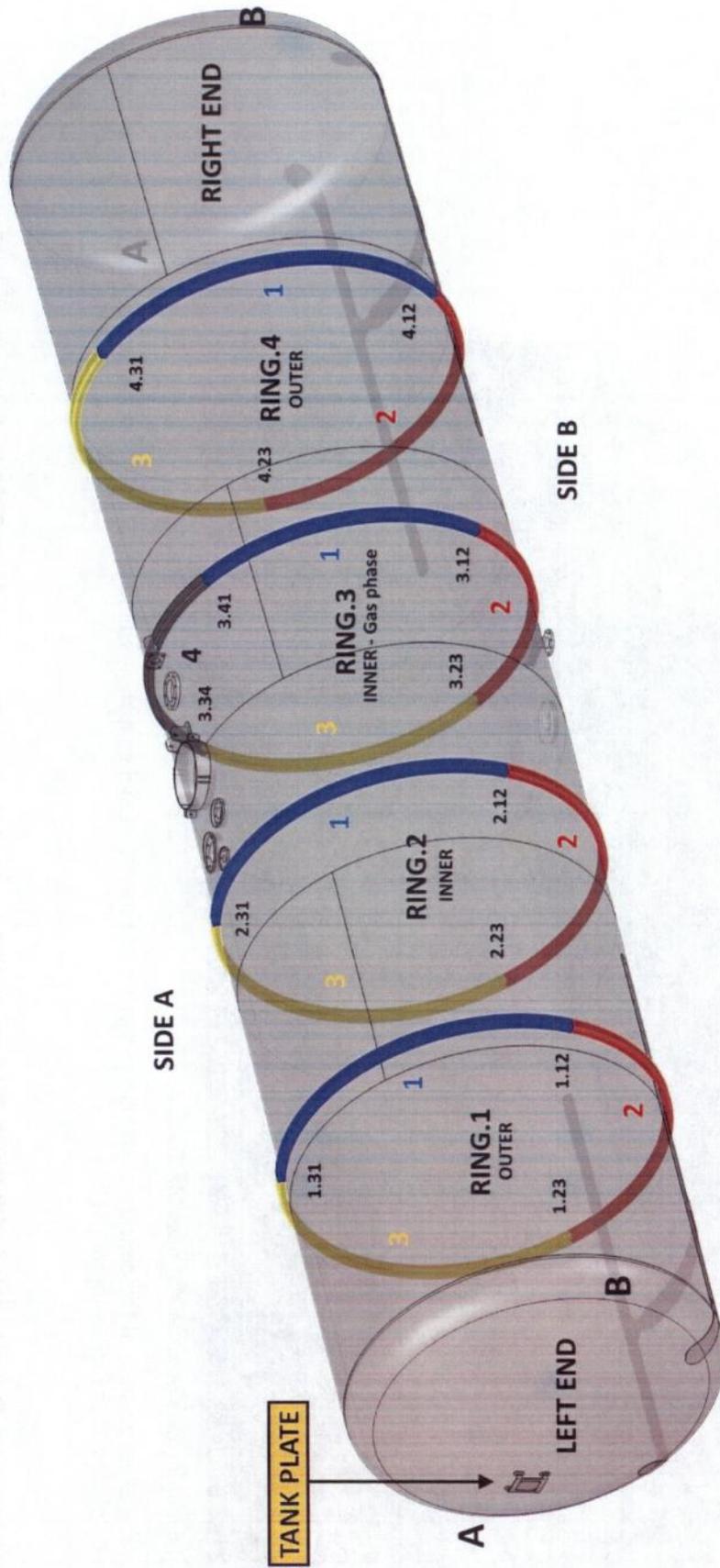
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Light blue arrows point at the possible cracks positions

For the exact position of the concerned welds see picture 2: tank 3D model snapshot, where applicable position numbers are given, for welds placed at the stiffening rings)

Attachement with e-mail dated 16th March 2018 concerning cracks in the stiffeners ring of type Z23A tank wagons series Zacns, capacity 87m3 ans Z24A, tank wagons series Zacns of 97 m3

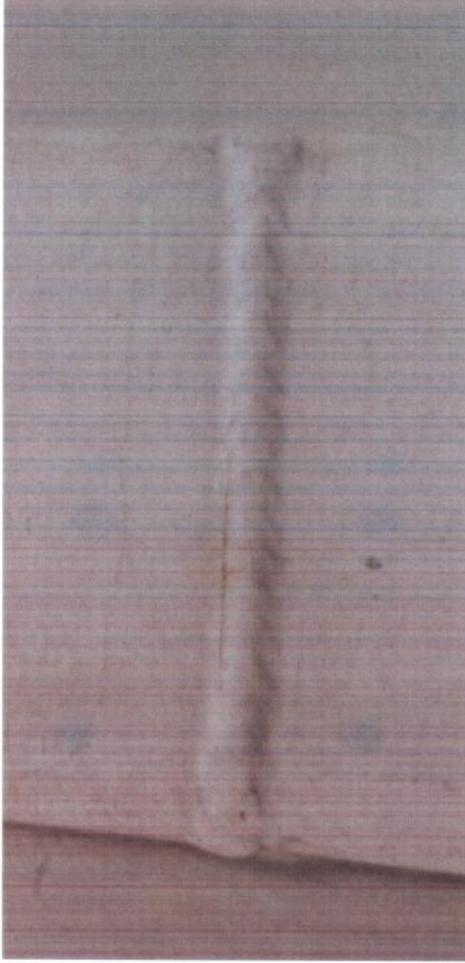


Tank 3D model snapshot, where applicable position numbers are given, for welds placed at the stiffening rings

Please check the welds on position 1.12, 2.12, 3.12, 4.12, 1.23, 2.23, 3.23, 4.23. There is no need for check of the welds on position 1.31, 2.31, 3.31, 3.34, 3.41 and 4.31.

Attachement with e-mail dated 16th March 2018 concerning cracks in the stiffeners ring of type Z23A tank wagons series Zacns, capacity 87m3 ans Z24A, tank wagons series Zacns of 97 m3

Size of the crack could be small as shown on the picture



or bigger as shown on the picture



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