
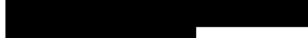
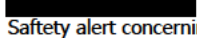


Van: 
Aan: 
Cc: 
Onderwerp: Safety alert concerning Cracks in the stiffeners ring of type Z23A tank wagons series Zacns, capacity 87m3
 ans Z24A, tank wagons series Zacns of 97 m3
Datum: vrijdag 16 maart 2018 10:26:51

Dear reader,

As railway undertaking I would like to inform you about cracks in the stiffeners ring of tank wagons type Z23A an Z24A, series Zacns.

We are informed by Greenbrier about cracks in the in the stiffeners ring of tank wagons type:

- **Z23A, series Zacns, capacity 87m3**

It contains 400 wagons, see picture below

Vehicle Number	Series	Manufacturing Year	Name of keeper	Name of EC issuing body	Name of Entity in Charge of Maintenance	Name of owner
37 84 7830 501-4 Tm 37 84 7830 600-4	Tankwagon 87m3 type Z23A (Zacns)	2015	NACCO S.A.S	Greenbrier Europe / Wagony Swidnica S.A.	NACCO S.A.S	NACCO S.A.S
37 84 7830 651-7 Tm 37 84 7830 950-3	Z23A Zacns 87 m3	2015	NACCO S.A.S	Greenbrier Europe / Wagony Swidnica S.A.	NACCO S.A.S	TRANSRAIL SNC

- **Z24A, series Zacns, capacity 97 m3**

It contains 50 wagons, see picture below

Vehicle Number	Series	Manufacturing Year	Name of keeper	Name of EC issuing body	Name of Entity in Charge of Maintenance	Name of owner
37 84 7830 601-2 Tm 37 84 7830 650-9	Tankwagon 97m3 type Z24A (Zacns)	2015	NACCO S.A.S	Greenbrier Europe / Wagony Swidnica S.A.	NACCO S.A.S	NACCO S.A.S

Greenbrier has analyzed the structure of a wagon with cracks in the stiffeners ring including the welds. The analysis showed that the cracks are caused by welding defects. The users of the concerned wagons (numbers in the pictures above) are informed by

Greenbrier.


From the aspect safety we did concern that:

- The cracks on the rings are gradual and not abrupt. According to Greenbrier it is easy to detect during a visual inspection. Greenbrier has taken action that supervision will be done by Greenbrier with agreement between the owner and the users. Continuous supervision over the operation of wagons will be carried out until they are repaired or until they are subject to mandatory revision after 4 years of operation.
- **If a crack is detected on the rings, regardless of its size, immediate withdrawal of the wagons from service and referral for repair is recommended. Please inform the keeper of the concerned wagons: NACCO SAS and Enforcement Rail, Rail and Road Transport: +31 (0)6 52 67 12 22 (accessible 24 hours a day)**
- Greenbrier has initiated further actions:
 - Greenbrier is inspecting all wagons type Z23A. The cracks on the rings is gradual and not abrupt .
 - Three wagons with cracks will be delivered to Wagony Swidnica for doing more tests and repair.

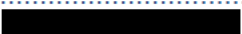
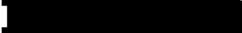
Based on the information of the further tests, carried out by Greenbrier you will be informed.

This e-mail is sent to all railway undertakings with a safety certificate (A or B) for the Netherlands concerning the transport of (dangerous) goods and the NSA's of Germany, Belgium and France.

With kind regards,


Senior Inspector / Incident Manager

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Rail and Road Transport
Human Environment and Transport Inspectorate
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