

473.

Pinfari Mega Mini roller coaster stub axle shearing

NAFLIC has received the following safety notice from the HSE relating to the shearing of a stub axle on a Pinfari Mega Mini roller coaster. This was all the information available to NAFLIC at the time of writing.

“HSE’s initial inquiries indicate that the stub axle on a coaster carriage has sheared, which has led to the wheel on the opposite side of the carriage also detaching. The failure mode has yet to be established and the HSE’s Science Division will be undertaking the necessary work to help identify the failure mode.

The coaster involved in the incident was a Pinfari Mega Mini and the HSE understands that following the demise of Pinfari, the plans and drawings for this coaster were taken and used by a company named I.E. Park to continue manufacturing these coasters.

In 2014, I.E. Park issued a safety alert on these particular coasters, which is currently held on the ADIPS web page (copy attached). The HSE would ask that controllers contact their Inspection Bodies to confirm that the relevant coasters (both Pinfari and I.E. Park) have been subjected to the NDT work as detailed in the safety alert and that the NDT schedule for these coasters has been subsequently reviewed and where necessary amended.

The HSE is also aware that Pinfari has manufactured a number of coasters, which may have the same wheel carriage arrangement. Controllers of these other Pinfari coasters should check to ensure whether or not the wheel carriage on these coaster falls within the scope of the safety alert and take the necessary action as detailed above and in the safety alert.”

Committee Members: Mr. D Dadswell (Chairman), Mr. A Mellor (Secretary), Mr. P Smith, Mr. J Green,
Mr. D Cox, Mr. I Davies, Mr. J Shilling, Mr. D Inman & Mr. R Hiscoe

www.naflic.co.uk

Supported By:



	Issuing Entity: I E Park s.r.l. Via Don P. Borghi 3 – 42043 Gattatico – Italia - Tel. ++39-0522-678526 - Fax ++39-0522-678750 - web site: www.iepark.com	Bulletin No: 01-2014
		Release Date: 2014-02-12
		Effective Date: 2014-02-12
		Supersedes: none
		Completion Date: Urgent
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SAFETY ALERT

Ride Manufacturer: I.E. Park s.r.l.	Affected Production Dates: 2003 to 2012
Ride Name: Roller Coaster JR 30	Affected Serial Nr: 10AC 0001 year 2003 10AC 0002 year 2005 10AC 0003 year 2010 10AC 0005 year 2012
Model Number: 10AC	
Abstract of issue: Potential initial crack in the main support shaft of wheel boogie (see details below in the figure)	
Reason For Release: A failure occurs in one shaft wagon of a train. Reasons under investigation. For prudence it's necessary an urgent inspection and NDT	
Action To Be Taken: (Inspection, Modification, Replacement, NDT, Order Parts, Manual Revision, Procedural Change, etc.) Urgent unscheduled Inspection and NDT on 100% of the wheel boogie main supports. It's necessary to conduct the following NDT tests by qualified personnel: UT Ultrasonic Test MT Magnetic Particle-Test. In addition particular attention to check the regular wear of the wheels, as per paragraph 6.11 of the Operation Manual. We remind the planned regular inspection and maintenance as per Operation manual Chapt. 6, in particular, but not limited to, paragraph 6.9.7.	



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Detail of Issue:
(Text/Drawings/Schematics): NDT in the position indicated by red arrow in the figure

