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Page: 1 of 1

Safety Alert

Ride Manufacturer: Mack Rides GmbH & Co KG	Affected Component/s: Sweeps
Ride Name: Koggenfahrt / Peter Pan	Affected Serial Nos:
Model Number:	
Abstract of Issue: For safety reasons we would like to inform you on a possible source of danger at the sweeps of the ride Koggenfahrt / Peter Pan.	
Preliminary Measures to be taken: It cannot be ruled out that welded on tubes, holders etc. at the location of the sweep described could result in cracks. Therefore, we recommend that you remove possibly existing welded on parts, to grind the weld seam notch-free and to inspect it accordingly.	
Action to be taken: (Inspection, Modification, Replacement, NDT, Order, Parts, Manual Revision, Procedural Change, etc.) We recommend a visual inspection of the sweeps to make sure that no cracks exist. In case of any crack/markings out, it is necessary to perform a suitable surface crack testing. See attached drawing which was also sent to our customers in 1999.	
Detail of Issue: (Text, Drawings/Schematics)	

Mack Rides GmbH & Co KG

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ND-test Koggenfahrt

Sweeps

Within the first 5 years or after 10.000 operating hours ND-test (non-destructive tests) have to be performed only, if damages or cracks occur at the sweeps.

The sweeps have to be checked by visual inspection with regard to damages, corrosion and cracks weekly.

In the case of suspected crack formation, this has to be determined by the means of liquid penetration test.

When the crack formation has been determined, Heinrich MACK GmbH & Co. has to be informed immediately.

A further operation of the ride is strictly forbidden.

After 5 years or 10.000 operating hours the sweeps have to be checked by the means of the liquid penetration test at the corresponding points.

After the first test all sweeps have to be inspected every 2 years or after further 4.000 operating hours as mentioned above.

After 15 years or 30.000 operating hours all sweeps have to be checked additionally by the means of ultrasonic or magnetic particle inspection every year.

After 25 years or 50.000 operating hours the ultrasonic or magnetic particle inspections have to be carried out monthly. To avoid this we recommend to the ride operator to replace the sweeps completely by new sweeps.

It is up to the ride operator to choose the method and the test institute. Please take the points to be controlled from the drawing enclosed.

Important test points of the Koggenfahrt sweeps

