

NAFLIC

National Association For Leisure Industry Certification

Standards & Related Documents Sub-Committee

TECHNICAL BULLETIN - APRIL 1996

126. Modern Products' Junior Pirate Ship

We have been informed by LTC Ltd of a matter relating to Junior Pirate Ship rides manufactured by Modern Products' (Lindsey) Ltd.

In the course of Thorough Examinations, LTC have now found two of these devices on which the internal steel framework of the ship has suffered serious deterioration. In one of these cases the ride was 9 years old and the other was only 7. Although in the case of the former the location was subject to salt water spray, the latter was not prone to the same problem.

At present the full reasons for these problems is not clear. For instance, it is not known whether fatigue or corrosion fatigue were involved. We have no information regarding the magnitudes of calculated fatigue lives or other design matters concerning this particular structural framework.

We particularly draw attention to the fact, common to passenger units and other safety critical parts on many rides, that the framework concerned was not readily accessible for inspection and LTC had to require a not inexpensive strip down to enable them to carry out their examinations.

It is our view that, where there are no other specific instructions (from the designer / manufacturer / design reviewer), inspection bodies carrying out Thorough Examination will need to consider when to require strip down of inaccessible regions.

Committee Members :- Dr Garry Fawcett (Chairman), Mr Richard Barnes, Mr Peter Steffens, Mr Doug Dadswell, Mr Peter Smith
and representatives of LTC Ltd, Plant Safety Ltd, and Banwell & Associates Ltd

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