

# NAFLIC

*National Association For Leisure Industry Certification*

## Standards & Related Documents Committee

### TECHNICAL BULLETIN - APRIL 1998

#### 162. Zierer Hornet Roller Coaster

NAFLIC member Wilson Consultants has described to us the track structural fatigue in some welded connections on a Zierer Hornet roller coaster. The damage was found by another NAFLIC member, Leisure Technical Consultants Ltd, in the course of an annual Thorough Examination of the ride.

The cracking, which had been foreseen during the Design Review, involves propagation into the track members (i.e. not just into the weld metal). The ride is 3 years old.

This Committee would remind Inspection Bodies that, if specific guidance has not been provided by the designer / design reviewer, Thorough Examination of roller coaster track may need to be fairly wide ranging. Fatigue cracking does not always confine itself to those areas which seem the most intuitively obvious.

Committee Members :- Dr Garry Fawcett (Chairman), Mr Richard Barnes, Mr Bob Nicholls, Mr Robert Casey,  
Mr Peter Smith and representatives of Plant Safety Ltd, and Banwell & Associates Ltd

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