

NAFLIC

National Association For Leisure Industry Certification

Standards & Related Documents Committee

TECHNICAL BULLETIN - MARCH 2002

214. Skymaster / Ranger Type - Tower Cracking

We have been notified that fatigue cracking on the tower of a Skymaster / Ranger type of ride was identified in the 2000 season. This occurred in the hinged cross-section which allows the tower to fold down for travelling. Cracks occurred at the welds attaching the bolt clamping blocks to the tower plates.

The ride involved was, we understand, built by Keith Emmett & Sons and is similar to the Skymaster design built by, now defunct, A.R.M. (UK) Ltd. We do not know whether cracking at this region has occurred in the A.R.M. type.

Wilson Consultants inform us that at least one design of this ride type had conditions imposed on its use during the Design Review process. Unfortunately, manufacturers building similar designs may not be aware of such conditions and could believe that earlier types have proved the safety of the design detail.

Committee Members :- Dr Garry Fawcett (Chairman), Mr Richard Barnes, Mr Peter Smith, Mr Ian Grant,
Mr David Geary, Mr Steve Parker, Mr Eddy Price and Mr Mike Preston

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