

NAFLIC

National Association For Leisure Industry Certification

Standards & Related Documents Committee

TECHNICAL BULLETIN - SEPTEMBER 2005

302. Maurer Sohne Restraint Ratchet / Pawl Wear

We have been informed, by Leisure Technical Consultants Ltd, that they have become aware of excessive, premature, wear in the ratchet / pawl arrangement in the restraint locking mechanisms on both Wild Mouse and Spinning Coaster rides from this manufacturer.

Very recently we reported (TB 290) on a similar problem affecting a Fabbri Drop Tower ride.

In this case, the excessive wear appears on the pawl, rather than the ratchet teeth. There is a suggestion that, on some of these rides, the pawls may be case-hardened giving longer life. Whether or not the life is longer, it is our view that design dutyholders should specify a suitable inspection / maintenance regime to be carried out by the controller.

Committee Members :- Dr Garry Fawcett MBE (Chairman), Mr Richard Barnes, Mr Peter Smith,
Mr Ian Grant, Mr Eddy Price & Mr Dave Inman

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