

430.

## Huss Pirate Ship hub, axle, A-frames and main leg cracking

We have received a report from a UK registered inspection body that numerous areas of manufacturing defects and cracking have been found on the hub, axle, A-frames and main legs of three Huss Pirate Ships, park and travelling models.

The areas of cracking can only be found by means of fully stripping the device, removing the paint and then subjecting the areas to magnetic particle inspection. The manufacturer has been informed and asked for its recommendations and weld specification procedures.

It is of value to note that many of these rides are over 30 years old, some up to 36 years old. The defect may have been created by over machining, while it was noted that the defects on the inside axle and spigot were found during in-service inspection.

Committee Members: Mr. D Dadswell (Chairman), Mr. A Mellor (Secretary), Mr. P Smith, Mr. J Green, Mr. D Cox, Mr. M Thirkettle, Mr. I Davies, Mr. J Shilling & Mr. D Inman

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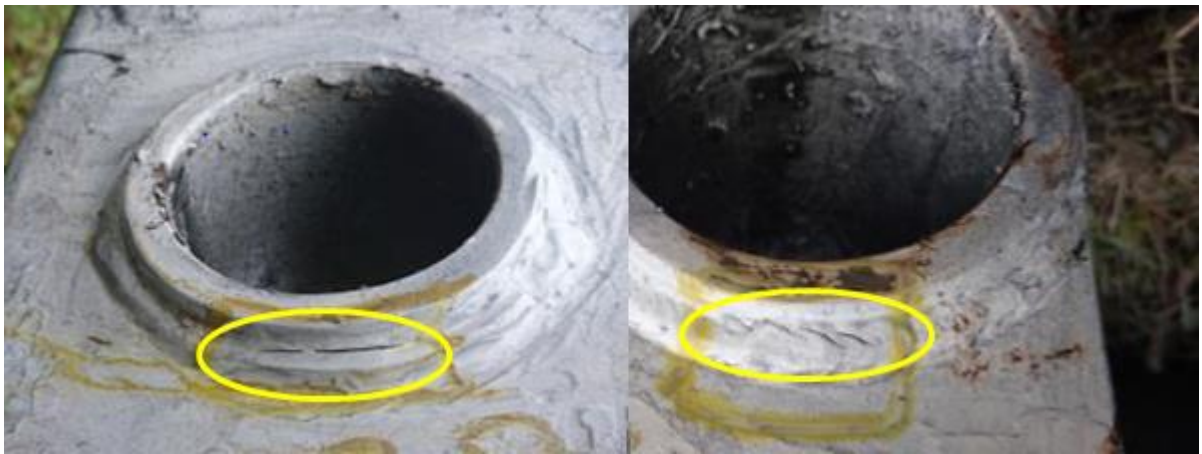
**Main leg spigot cracking (visual, mpi & UT)**



**Lower support leg bore circ welds cracking (visual & mpi)**



**A-Frame pin circular bore cracking. (visual & mpi)**



**Intermediate lower A-Frame pin circular bore cracking. (visual & mpi)**



Axle A-Frame spring bolt boss cracking (mpi)



**Axle A-Frame** cracking on the internal spigot socket rings (visual, mpi & UT)



**Axle A-Frame external weldments**



**Axle bearing face cracking (mpi)**

