

443.

Pfleger Sky Flyer

NAFLIC has been made aware of a significant failure on a Pfleger Sky Flyer ride. The device in question is operated outside of the UK but it is believed there are three such rides in the UK.

From the information provided to date it is believed this is a self-erecting machine in that it has hydraulic rams to help assembly and dismantling. The failure occurred on the mid pivot on the main tower leg. There is considerable force around this area during build-up and pull down due to the position of the hydraulic folding rams and bell crank arrangement and it would appear that some form of local buckling failure occurred near to the attachment of the lifting cylinders. This happened during the build-up or pull down process and not while in operation. Members of the general public would not, therefore, be affected but it is clear the operational staff would be at risk. It is worth noting that the box section looks very thin (see image).

With only the above information currently available, it is difficult to provide any detailed recommendations but the committee would suggest owners/operators check with their design reviewers that this temporary case has been covered in the design and maybe confirm the correct thickness of SHS has been used.



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

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