

517.

## Frog ride arm cracking

NAFLIC has been informed by a member inspection body that during the in-service inspection of Frog ride 09745 (in June 2022), Capital Inspection found a 3-4mm indication in one of the arms of the device. The arm was taken out of service and removed from the ride for further inspection. It was fully stripped down and re-inspected with both eddy current and MPI, the findings being that the indication was closer to 200mm long and that it followed the joint between the side plate and the top plate of the arm.

The image attached shows the indication found by Capital Inspection in the red box and the rest of the indication found after the arm was stripped in the yellow box.

It is possible that the original indication started at the default in the red box and has then gone on to follow the joint line between side and top plate because this weld had poor fusion.

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