

436.

## Afterburner fatal accident - update

Further to TB 435, issued yesterday, regarding the incident at Ohio state fair, NAFLIC has now received further information from the HSE regarding what is suspected to be the circumstances leading up to the failure of the device.

It is advised the structure appears to have failed between the sweep arm and the gondola and not at the bolted connection as was originally thought, see attached photos. It is understood from the HSE that the structure had suffered corrosion which had reduced the material thickness. It is further understood that an ingress of water occurs during the transport and storage that leads to the corrosion. It is understood that KMG, the manufacturers of these devices, has written to owner/operators and instructed that the machines are not used until the cause is fully understood.

Any IB's that are asked by the owner/operators to undertake an inspection of these devices should arrange to inspect the inside of the affected structure. They should also undertake a detailed thickness check on the material, over the complete section and record the results. It will then be for the manufacturer to provide advice on what the acceptable level of loss of material is, if any at all.

Thereafter, it is expected that the NDT schedule will have to be revised.

