

NAFLIC

National Association For Leisure Industry Certification

Standards & Related Documents Sub-Committee

TECHNICAL BULLETIN - APRIL 1995

115. Hrubetz Round-Up Accident

Earlier this year we received details of an accident involving a Round Up ride built by Frank Hrubetz Co. of the USA. This involved the fatigue failure of the main boom pivot shaft.

By way of historical background we note that the Frank Hrubetz Co. became, in due course, Kilinski Manufacturing Company (KMC). Another company, Man-Co Manufacturing Inc., subsequently built rides to a similar design.

The latter company issued a Bulletin BU-138-MC back in 1989 concerning failures of main shafts and spindles on Round-Up, Paratrooper and Fireball rides built by Hrubetz etc. It is also this committee's experience that there are limited fatigue lives on some of these components.

We recommend that any person intending to purchase such a ride second hand should arrange to have the relevant shafts and spindles properly examined to determine the extent of propagation of cracks. It is our view that, whether or not the onset of cracking has been reached, a continuing NDT programme is required unless a re-design, confirmed by Design Review, has been incorporated and shown to have removed the problem.

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