

431.

Huss Top Spin main tower mast cracking

We have received a report from a UK registered inspection body that areas of cracking have been found on the main tower masts of a Huss Top Spin. It is understood the device is 30 years old. The crack propagates across nearly the full width of the tower and is also propagating into welds perpendicular to the main crack. Upon removal and subsequent testing of the drive pinions, several were failed due to cracking within the tooth valley.

The manufacturer has been informed and asked for its recommendations and weld specification procedures.

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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Supported By:





Figure 1 Cracking location



Figure 2 Cracking location



Figure 3: Cracking



Figure 4: Weld cracking perpendicular to the main crack



Figure 5: Location of weld cracking perpendicular to the main crack

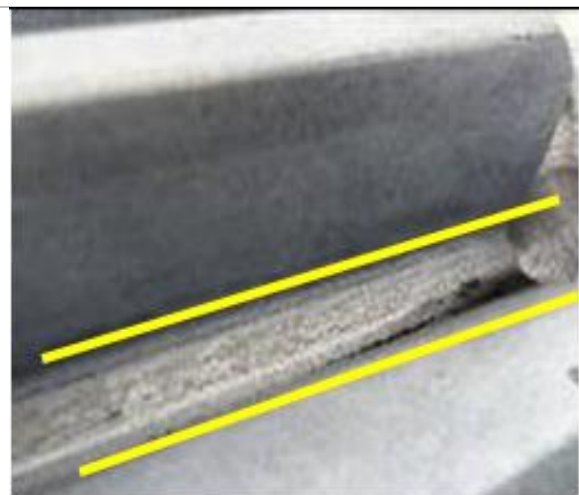


Figure 6: Pinion cracking