



CANRIG DRILLING TECHNOLOGY LTD

PRODUCT BULLETIN NUMBER: 53

**SAFETY ALERT**

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DATE: December 8, 1999

**SUBJECT:** 275 TON HANDLER LOCK PIN

**SERIAL NUMBERS:** 002-006, 009-013, 030, 036, 041, 047, 049, 062, 071, 076, 092, 097, 111, 116, 123, 124, 132, 138, 139

**DISCUSSION:** Over time, it may be possible for the Handler Lock Pin to become partially or fully unthreaded from the Handler Lock Cylinder rod leading to a failure of the pin to cylinder rod connection. In the event of a connection failure, it is then possible for the Lock Pin to fall from the Top Drive.

**RECOMMENDATION:** The Handler Lock cylinder and pin assembly should be removed and inspected. The Lock Pin should be removed from the cylinder rod, the threads cleaned of debris and grease, and re-installed with Loctite 262 threadlocker applied to the threads. Loctite should also be applied to the set screw in the side of the Lock pin.  
It is also recommended that the tightness of the Lock Pin to cylinder rod connection be verified every six (6) months to confirm that the Loctite is still holding.  
A design review is underway; further notices may be sent out regarding the results of this review.

**INFORMATION:**

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