



Model: All Canrig Top Drives

Serial #: All

Mar 6, 2024

Product Bulletin # TDS-239 Rev 7

Alert



Die Block Inspection

Issue

We have become aware of recent incidents in which the Top Drive Back-Up Wrench (BUW) Gripper die blocks have split in half during operation which can result in a dropped object.

A potential root cause is a material defect in the die block.

Scope

At this time, the issue appears to be isolated to die blocks of specific purchase orders (POs). See tables below for possibly affected POs.

Table 1: Purchase Orders for P/N: DT33179 (5.75 – 9.00)

70091417	70092803	70101757	70108247	70111295	70111604
70116079	70119262	70120635	70120806	70121781	

Table 2: Purchase Orders for P/N: DT31839 (5.75 – 9.00)

70091417	70092803	70098725	70099331	70110290	70111404	70112693	70113777
70115369	70115875	70117876	70119272	70120640	70120809	70121787	

Table 3: Purchase Orders for P/N: DT33182 (3.25 – 6.50)

70091417	70092803
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Table 4: Purchase Orders for P/N: DT33180 (3.75 – 7.00)

70091417

Table 5: Purchase Orders for P/N: DT33187 (3.75 – 7.00)

70091417	70092951	70105403	70105991	70115369	70125568
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Table 6: Purchase Orders for P/N: DT33188 (2.50 – 5.75)

70091417	70105403	70108248
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See Figure 1 for location of stamped purchase order number on the part.

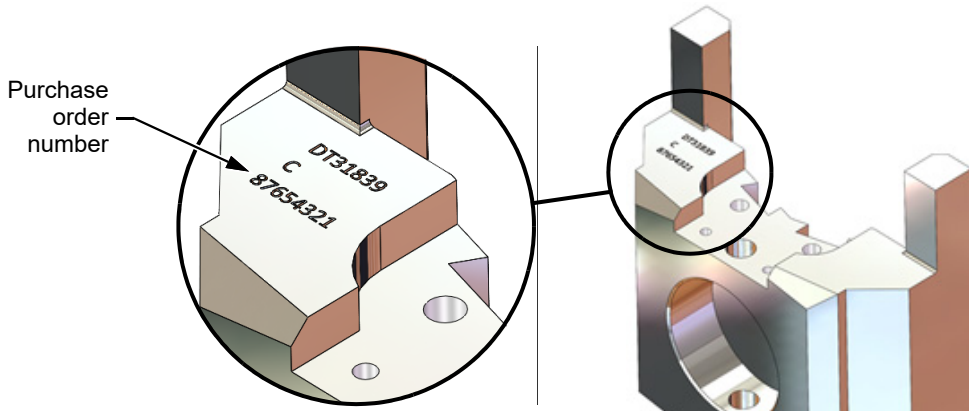


Figure 1: Location of stamped purchase order number

Recommended Actions

- Replace the affected die blocks immediately.

In the interim:

1. Visually check the BUW die block assemblies for signs of damage or missing pieces.
2. Perform MPI on all die blocks. Replace any die blocks that have signs of cracks or other damage.
3. Add a visual inspection of the die blocks to your regular DROPS prevention inspection.
4. Visually inspect the die blocks several times every tour when the BUW is used. Check for damage and cracks.
5. If the BUW gripper is used to lift or position a tubular, inspect the die blocks for any signs of cracks or damage. Verify that the die blocks are secure in the BUW gripper.
6. Be aware of the potential hazard.
 - When possible, keep the area below the top drive clear of personnel.
 - If work must be performed below the top drive, designate a spotter.

References

Reference drawing # SD10134 and contact RIGLINE 24/7™ for ordering of parts.