



TD Frame Inspection

Issue

A crack that developed on a top drive guide runner assembly recently caused a near-miss dropped-object incident. The cause of this incident is still under investigation, but it is recommended that all rigs immediately inspect the top drive frame for signs of damage.

Inspect for signs of cracks, elongated parts, and missing components. Inspected areas should be cleaned of oil, mud, or other debris to ensure a thorough inspection. Perform a magnetic particle inspection of all welds on the guide runner assembly at the earliest possible date.

If abnormalities are discovered during inspection, contact RIGLINE 24/7™ Support for additional instructions.



Figure 1: Frame Inspection Areas. Inspect Both Sides.



Model: All Serial #: All	Jun. 27, 2017
Alert	

Recommendation

The top drive guide runner assembly should be inspected regularly as outlined in Section 4 of the top drive manual, which is excerpted below:

Daily Inspections: The frame should be inspected daily for cracks, loose fits or connections, elongation of parts or other signs of wear, corrosion, overloading and proper operation.

Weekly Inspections: Visually inspect the frame for wear, deformation, cracks and corrosion.

- Visually inspect the welds for cracks or damage. Inspect for paint flaking or cracking, which may indicate potential failure. Examine for dents, bends, abrasion and corrosion.
- Visually check the top drive unit for loose bolts, nuts, broken wires on bolts or damaged safety wire. Retorque and rewire as required.
- Visually inspect electrical cables in junction boxes for wear, damage, or loose connections.
- Check for worn, cracked or distorted parts such as: pins, shafts, gears and guards.