

# Tesco True Results

True in our Service Towards Customer Focus

## LeTourneau Top Drive Revitalized



### Customer Focus:

As a result of difficulty locating service providers capable of completing a cost-effective API Level IV recertification, a number of LeTourneau top drives have been decommissioned over the years. Recently, a major drilling contractor looking for a cost-effective alternative to purchasing a new top drive for a rig going back to work approached Tesco to overhaul one of their stacked LTI-500 top drives. The scope of work was an overall system inspection and assessment to identify all damage and deficiencies prior to a complete teardown and rebuild followed by a factory acceptance test, including dyno run.

### True Result:

Tesco has always provided a full range of services, including recertifications for their OEM branded equipment and in 2012 began offering this same service for non-Tesco top drives and automated pipe handling equipment. The first ever LeTourneau top drive to be overhauled by Tesco was delivered to Tesco's Brittmoore facility in Houston, Texas on September of 2016. During the full system inspection and assessment it was determined that a number of components required repair while others like the quill shaft would require replacement. Following completion of repairs, blast and paint, the unit was fully commissioned and the customer witnessed the factory acceptance test and dyno run.

Upon delivery, a comprehensive data book including work performed, serialization of all components, wear limit reports, NDT test reports, function test, commissioning and dyno test results was issued along with the unit.

### Proven Performance:

The complete scope of work, including sourcing of critical components and testing was completed in 42 days, beating the customer's expectations and coming in at a fraction of the cost of replacing the asset with a new 500-Ton electric top drive with equivalent performance (Tesco 500 ESI 1000/1350). This enabled the drilling contractor to return the asset to operation with confidence, knowing Tesco had restored the unit to OEM specifications and would stand behind its work. Tesco put its learnings on this project to good use, enhancing its processes and procedures to streamline future repairs of LeTourneau top drives, as well as including critical components in its inventories for future overhauls and ongoing field support.



*LeTourneau LTI-500 top drive leaving Brittmoore facility*

**Product Line:** Aftermarket Sales and Services (AMSS)

**Model:** LeTourneau LTI-500

**Location:** Tesco Service Facility, Houston, TX

**Scope of Work:** Top Drive Overhaul



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