



CANRIG DRILLING TECHNOLOGY LTD

PRODUCT BULLETIN NUMBER: 56

DATE: February 10, 2000

SUBJECT: 275 Ton Reducing Gear Shaft Key

SERIAL NUMBERS: 062,071,076,111,116,124,132,138,139,144

DISCUSSION: It may be possible on some 6.39 and 9.38 ratio 275 Ton Top Drives for the reducing gear eccentric shaft key to break allowing the reducing gear to become mis-aligned. This may lead to a failure of the traction motor shaft. The key is located in the 'reducing gear carrier plate' bolted on the front face of the main gearcase lid (see attached drawing).

RECOMMENDATION: The Carrier Plate and Eccentric Shaft design have been modified to accommodate a $\frac{3}{4}$ " square key instead of the $\frac{3}{8}$ " key. To avoid possible damage to the Top Drive, it is recommended that these components be changed at the rig's earliest convenience. The Carrier Plate (P/N 966-16-0), Eccentric Shaft (P/N 966-12-0) and $\frac{3}{4}$ " key (P/N DT11320) may be supplied at no charge provided that the old parts are returned to Canrig in Magnolia, Texas. Shipping and handling costs will be born by the customer. Alternatively, modification drawings can be supplied by Canrig for the conversion of the existing parts.

INFORMATION:

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