



CANRIG DRILLING TECHNOLOGY LTD

PRODUCT BULLETIN NUMBER: 43

DATE: August 22, 1997

**SUBJECT:** Handler Lock Sensor Kit

**SERIAL NUMBERS:** 2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 15, 16, 17, 18, 22, 23, 28, 44, 47, 48

**DISCUSSION:** Canrig has developed a lock position sensor kit which detects the position of the handler lock pin. This system will prevent handler rotation caused by the pin not being properly engaged while torquing.

Previous to the development of the lock position sensor it was the responsibility of the driller to ensure the lock pin was properly engaged prior to torquing. The sensor will detect the pin being out of position and will alert the driller by a horn and flashing light. The PLC program can be modified to prevent torquing when an unsafe condition caused by the handler lock pin not being engaged exists. An override is provided to allow torquing in the event of a sensor failure.

This feature can be installed on existing top drives. Canrig is offering the upgrade kit as follows:

**Serial numbers 10, 11, 13, 16, 17, 18, 22, 23, 28, 44, 47, 48**

Kits supplied at no charge if the upgrade is ordered prior to December 31, 1997.

**Serial numbers 2, 3, 4, 5, 6, 7, 9, 12, 15**

These units differ enough from our standard production that the cost of the kits must be determined. The cost evaluation will take place after a customer request. There will be no charge for the evaluation.

**All serial numbers**

Current labor rates for technicians and travel apply regardless of time of order.

**INFORMATION:**

For further information contact:

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