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Field Service Requirements for the 6 1/2" Powerdrill after each use,
before laying down the Motor

Procedure for Rigs with Top Drive

Trip out so that only the Powerdrill is left in the Table.

The Adjustable Bent Housing should be set to Zero again.

- (1) Make up the Top Drive tight into the top of the Powerdrill and break off the bit. With the Powerdrill bit sub just through the table, pump slowly through the Powerdrill with clean water to flush the mud out.
- (2) Secure the very bottom (bit sub) section of the Powerdrill in the slips so that it cannot turn anticlockwise
- (3) With the pump off, rotate the top part of the Powerdrill to the left very slowly for about 8 complete turns with the Top Drive while holding the bottom bit sub still, In this way the Powerdrill will act like a pump and will push all the water out of itself.
- (4) Then remove the top drive and put 2 litres of any light grade engine oil or hydraulic oil in the top of the Powerdrill.
Make up the Top drive tight again, and secure the bottom bit sub again, and rotate the top part of the Powerdrill very slowly to the left again about 8 turns the same as before, until all the oil has passed out of the Powerdrill.

The Powerdrill Motor is now considered to be field serviced, and will stop any corrosion.

- (5) Install thread protectors *tightly* on the top and bottom of the motor and lay the motor out *carefully*.
Protectors will be charged for if not installed when the tools are returned along with any damage to threads or shoulders due to transport damage without the protectors.

Please Note: An extra service charge of A\$1000 will apply for any Powerdrill Motors that are returned without the Powerdrill being flushed with clean water and oil, as it takes extra time to service the motor when returned with dried drilling mud inside, and the mud can also corrode internal bearing parts, which will then have to be charged to the customer.