

Technical Bulletin

Marking of Verified Tools

Background

Coloured marking is used through the various stages of inspection and repair to advise on the status of various areas on drill string tools.

Through the years, a number of significant lessons have been learned with different types of marking and this bulletin has been put together to capture some observations and clarify the recommended way forward for FPI Technicians when they review tools on behalf of clients.

Observations

- 1) The use of adhesive tape, for example to identify 'torqued' connections, is no longer favoured because:
 - > When the tape comes off, it gets into the circulating system and has resulted in blocked MWD Filters and bit nozzles, thus resulting in expensive NPT.
 - > There have been incidents where rig crew get injured while trying to remove tape prior to tools being run. This can also take time.
 - > Some resilient tape has aggressive adhesive which can damage critical seal faces.

If tape is seen on drill string tools during verification, it should be highlighted to the client and recommended to remove it.

- 2) For Technicians, taking quantities of paint into 3rd party facilities for use with stencils is likely to have COSHH related challenges. It also potentially exposes Technicians to unnecessary solvents.

FP Preferred Method

To show that Fearnley Procter Technicians have reviewed specific pieces of equipment, it is recommended that paint pens are used and the Technicians sign and date the component near the connection. (See example).

To avoid confusion with UK vs US format dates, the month should be written - 6th June 2016. Until familiarity is developed with rig crew recipients, it is recommended that the marking is photographed and included with release note emails.

More info:

For more information or assistance, contact FP Drill String Engineering Department at DShelp@fp-g.com

EXAMPLE: Marking of verified tools by Fearnley Procter

