ASSEMBLY PROCEDURE FOR THE F-TYPE CUP TESTERS

1.0 SCOPE

1.1. This procedure will provide general instructions regarding assembling the F-type Cup Testers.

2.0 REFERENCES

2.1. The latest revision of the following specifications may be used to obtain additional information regarding this procedure.

- ISO10424-2, latest revision
- Bill of materials.

3.0 ASSEMBLY PROCEDURE

3.1. Clean Mandrel and Sub.

3.2. Visually inspect for signs of damage or wear.

3.3. Insert the V-Thread pin end of the Mandrel through the rubber until the entire V-thread protrudes beyond the metal base.

3.4. Install the O-ring in the bottom of the V-thread cavity in the Sub.

3.5. The O-ring elastomer must be compatible with the drilling environment.

3.6. Liberally apply thread compound to the V-thread connections. It is recommended that the thread compound base should include 40% to 60% (by weight) finely powdered zinc or lead.

3.7. Screw the Sub into the Mandrel and make up the middle connection to the values in Table 1.1 with chain tongs or equivalent.

DISASSEMBLY PROCEDURE FOR THE F-TYPE CUP TESTERS

1.0 SCOPE

1.1. This procedure will provide general instructions regarding disassembly of the F-type Cup Testers.

2.0 REFERENCES

2.1. The latest revision of the following specifications may be used to obtain additional information regarding this procedure.

- ISO 10424-2, latest revision
- Bill of materials.

3.0 DISASSEMBLY PROCEDURE

3.1. Break the connection between the Sub and the Mandrel.

3.2. Remove the O-ring from the sub pocket.

3.3. Remove the molded Cup.

3.4. Inspect components for wear or damage.

3.5. Thoroughly clean all parts. Worn or damaged parts and ("O" ring) should be replaced prior to re-assembly.

3.6. Replace the Thread protectors on both end connections when assembly is not in use.

<table>
<thead>
<tr>
<th>Mandrel/Sub</th>
<th>End Connections</th>
<th>Middle Connection Make up Torque (ft-lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>P30603/04</td>
<td>4-1/2 IF</td>
<td>3,295</td>
</tr>
<tr>
<td>P30595/96</td>
<td>3-1/2 IF</td>
<td>2,385</td>
</tr>
<tr>
<td>P30589/90</td>
<td>2-3/8 IF</td>
<td>2,000</td>
</tr>
</tbody>
</table>

Table 1.1
PREPARING THE F-TYPE CUP TESTERS FOR INSTALLATION

1.0 SCOPE
1.1. This procedure will provide general instructions regarding installation of the F-type Cup Testers.

2.0 REFERENCES
2.1. The latest revision of the following specifications may be used to obtain additional information regarding this procedure.
   • API Specification 7-2 for M&S Threading
   • Bill of materials.

3.0 INSTALLATION PROCEDURE

3.1. Clean thread dope from threaded connections and apply thread dope suitable for drill string use.

3.2. Recommended: Dope base to include 40% to 60% (by weight) finely powdered zinc or lead.

3.3. Screw the cup tester assembly to the drill string using appropriate make up torque

3.4. Apply grease on the outside of the cup

3.5. Lower the cup into the casing below the wellhead for pressure test

NOTE: Failure to follow the above procedure explicitly may result in damage and subsequent premature cup failure.