FLOAT EQUIPMENT ASSURANCE

Utilising

FloatCHECKER™ PT

“Don’t wait until it’s in the well to find out your Float Equipment can’t stand the load”
9.5/8” FloatCHECKER Assembly

Product:

FloatCHECKER™ PT (Pressure Test) Test Pod

The Sudelac FloatCHECKER™ PT is specifically designed to safely pressure and load test float equipment

(Domestic and International Patents Pending)
Why use FloatCHECKER?

• Float Equipment is API Type approved to RP10F (2003)
• There are several levels of RP10F
• RP10F 111C is the highest at 5,000psi/204C
• Float Equipment is not pressure or load tested post manufacture as a complete finished item by the manufacturers
• Present Rig Floor checks prove nothing more than valves open and close as no real load is applied
• There is no industry standard for certifying/checking float equipment post manufacture/assembly after receipt
• Float Equipment failures are often time consuming and costly, and could present un-safe well conditions
Why use FloatCHECKER?

- The first time most float equipment is load tested is at the end of the cementing operation
- Lack of QA/QC during ware-house and pipe-yard storage, preparation, shipping, handling, installation both onshore and offshore
- Inconsistent criteria for shelf life of float equipment and when float equipment should be disposed of due to degradation
- Most operators dispose of float equipment eventually based on age alone, some sooner than others, but not based on QA/QC
- Other oilfield equipment is pressure and load tested properly prior to use. Why not float equipment?
How to reduce your risk of in well failure

What FloatCHECKER testing do for you:

• Ensures integrity of all new float equipment
• Provides trace-able pressure and load test documentation
• Ensures risks of failure, however small, are reduced through systematic QA/QC process
• Ensure older stock of float equipment is still fit for purpose
• Test process loads cement on float collar as if plug bumping
• No risk to threads as not used, can test blank float equipment
• Testing process can detect manufacturing faults, handling/shipping damage, storage/age deterioration issues
FloatCHECKER™ PT (Pressure Test) Test Pod

FloatCHECKER™ PT (Pressure Test) Test Pod is an assembly of parts to form the testing vessel that will hold onto and seal around the float item.
View of major parts that connect to form seal around OD of float item
The FloatCHECKER™ Test Barrel is ready to accept a float item.
The float item is placed inside the FloatCHECKER™ Test Barrel.

Float Collar
The float item is placed inside the FloatCHECKER™ Test Barrel
The Setting Collar is threaded into the FloatCHECKER™ Test Barrel
The Setting Cap is added and the assembly threaded into the FloatCHECKER™ Test Barrel (This energises the Packer Element)

Packer Element
Energised

Setting Cap
The FloatCHECKER™ Test Barrel is filled with the test medium
The pressure is applied and tests the float valve/s and retention mechanism.
The pressure is applied and tests the float valve/s and retention mechanism (whilst on a casing joint)
9.5/8” FloatCHECKER PT installed over a float shoe on end of joint
A reamer shoe can be tested by using a standard FloatCHECKER c/w Adapter Kit