

FUNCTIONAL TESTING – DISPLACEMENT PUMPS**EP 457****PAGE 1/1**

APPLICATION

Testing shall be carried out according to SS-EN 14343 or other standard specified by the manufacturer and approved by the purchaser.

SCOPE

All displacement pumps where test is prescribed in the purchase order or the detailed inspection plan.

TEST REQUIREMENTS

As per SS-EN 14343. Scope and grade of measuring accuracy according to agreement between purchaser and manufacturer. Cleanliness before testing, water quality for testing and the treatment after testing shall meet the requirements of the purchaser.

ACCEPTANCE CRITERIA

As per SS-EN 14343, acceptance level according to class 2 unless otherwise agreed between purchaser and manufacturer. The pump data given in the purchaser's pump specification shall be within the tolerance limits of the specification or agreed test procedure.

CERTIFICATION

A certificate with the results of the function tests according to the pump specification / test procedure.

FUNCTIONAL TESTING – SNUBBERS**EP 458**
PAGE 1/1**APPLICATION**

Testing shall be carried out in accordance with manufacturer specification that has been approved by the purchaser.

The testing shall be performed in test bench.

SCOPE

All snubbers in all quality classes.

Inspection of:

- Friction
- Length of stroke
- Blocking speed
- Dynamic test

TEST REQUIREMENTS

In accordance with manufacturer specification that has been approved by the purchaser.

ACCEPTANCE CRITERIA

The function shall comply with with manufacturer specification that has been approved by the purchaser.

CERTIFICATION

The Manufacturer shall issue a certificate with the results of the function test and reference to used specification/standard.

“STRIP TEST” – PUMPS**EP 486**
PAGE 1/1

APPLICATION

The test shall be performed in compliance with the specification prepared by the manufacturer and approved by the purchaser.

SCOPE

Inspection of:

- All bearings
- Shafts
- Impellers
- Wear surfaces
- Stator (wet pump-motor units)
- Rotor (wet pump-motor units)
- Coupling
- Mechanical seal, stuffing box and glands
- Static seal
- Diffuser
- Sealing surfaces, gaskets and O-rings

ACCEPTANCE CRITERIA

All pump data stated in the purchaser's pump specification, shall be within the tolerance limits stated in the specification or in agreed test procedure.

CERTIFICATION

Certificate with the results from the tests according to the pump specification / test procedure.

BALANCING**EP 490**
PAGE 1/1

APPLICATION

Balancing shall be carried out according to SS-ISO 1940-1, or to other standard specified by the manufacturer and approved by the purchaser.

SCOPE

All rotating parts as prescribed in the detailed inspection plan.

ACCEPTANCE CRITERIA

According to the purchaser's requirements, or according to the standard/procedure used by the manufacturer, approved by the purchaser.

CERTIFICATION

Certificate with the results of the inspection, according to the pump specification / test procedure.

INSPECTION OF SYSTEM CLEANLINESS**EP 560****PAGE 1/1**

APPLICATION

Prior to taking installed systems into operation, they shall be vacuum cleaned, blown/flushed with air and/or water according to the applicable instruction for each system. The result shall be checked in the discharge by:

- inspection of the quantity of mechanical impurities by filtering
- measuring the electric conductivity

Inspection during installation shall be performed as per the respective licensee's instructions/guidelines for clean system. (Foreign Material Exclusion – FME).

SCOPE

All systems stated in a detailed instruction, or otherwise as prescribed in the detailed inspection plan.

ACCEPTANCE CRITERIA

According to the respective licensee's instructions/guidelines for clean system.

CERTIFICATION

Certificate shall be issued by the manufacturer and be signed by the responsible individual, stating at least:

- Date of of flushing
- System flushed
- Valid procedure
- Whether totally demineralised water has been used or not
- Possible additives to the water used for flushing
- Where, when and how the analysed samples were selected
- Conductivity and temperature of the sample
- Solid particles at filtering