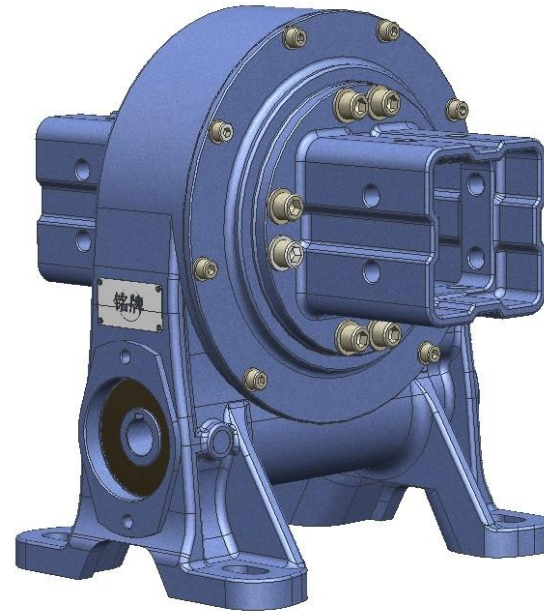


## SD9PS Axial Load Test



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Approved By: Laifu You

Date: 15<sup>th</sup>,oct.2019



## **Test Subject**

**SD9PS** Slewing Drive(Hereafter referred to as (SD9PS))

## **Test Time**

2019.10.15

## **Test Purpose**

1.Test the Axial Load torque(30kN) of SD9PS



## Test Conditions

1. Provided product must meet the requirement of fabrication drawing and technical documents, data record is complete and effective.
2. Instruments used for experiment must meet the requirements of Quality Management program files.

## Main Test Equipments

1. SD9PS Slewing Drive
2. Axial Load Test Special Tooling for SD9PS (30kN)
3. Hydraulic Universal Testing Machine(600kN)



Test Photo

SD9PS  
Slewing Drive

Pression  
Direction

Hydraulic  
Universal  
Testing  
Machine

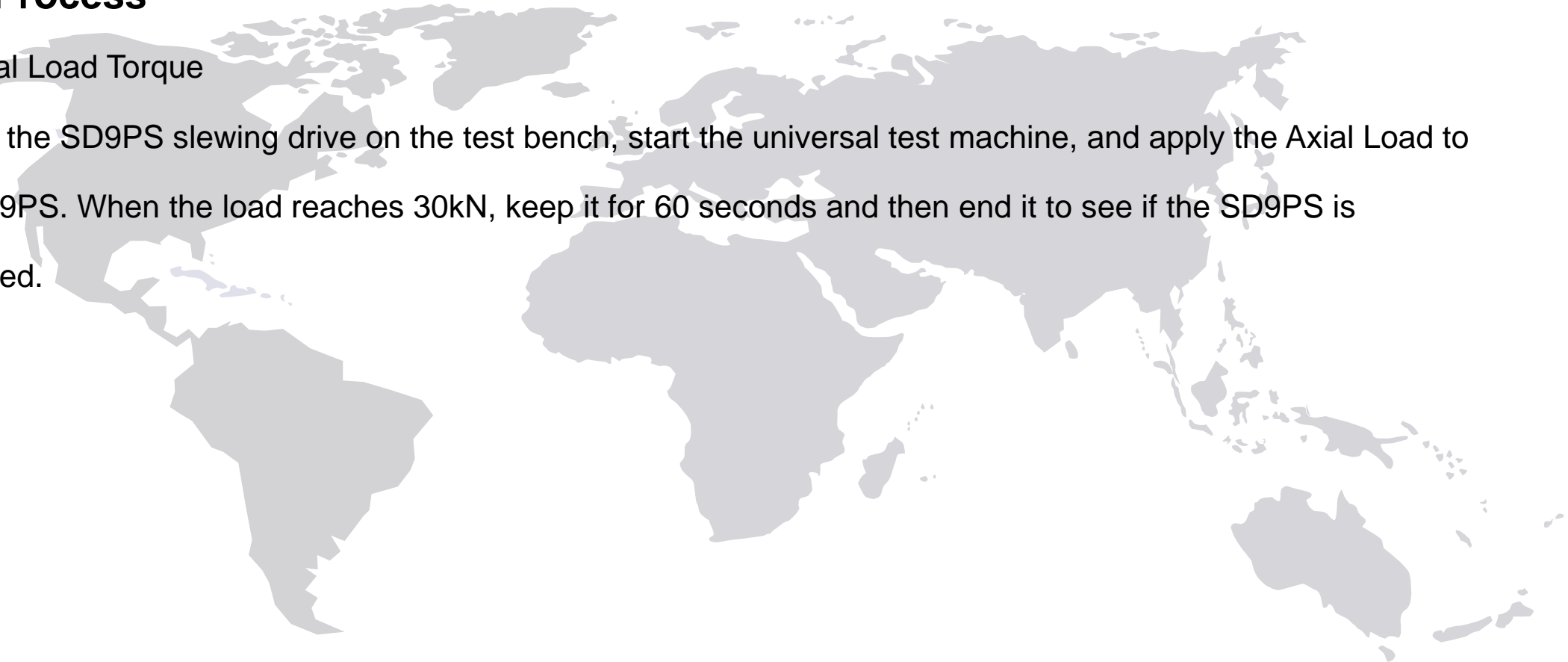




## Test Process

### 1、Axial Load Torque

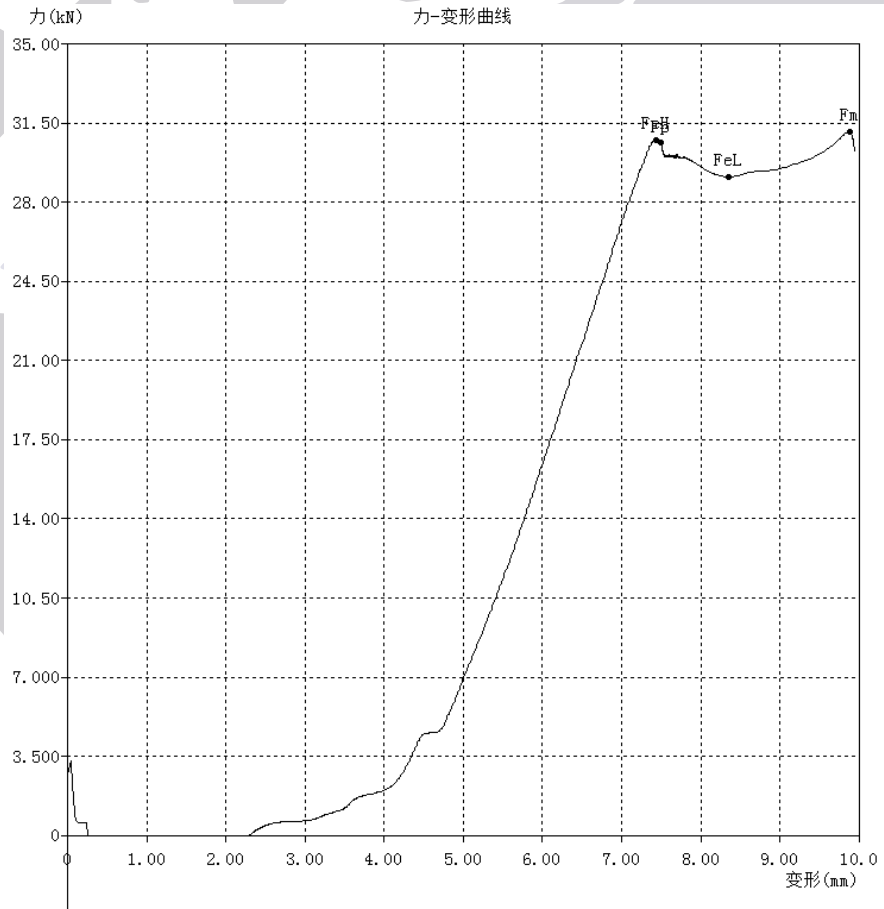
Fix the SD9PS slewing drive on the test bench, start the universal test machine, and apply the Axial Load to the SD9PS. When the load reaches 30kN, keep it for 60 seconds and then end it to see if the SD9PS is damaged.

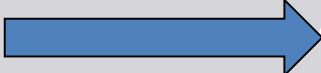




## Axial Load Torque Test Process

Below is the record relation for SD9PS sample1 (kN) and (mm) on hydraulic universal testing machine:



 30kN



## Test Results

1. The test was completed at 30KNm. There is no damage. The starting torque is normal. The Axial Load torque of SD9PS simple1 is good.

