

	SARA SAE ENGINEERING SPECIFICATION	
	SPECIFICATION NUMBER: SES 26-792 A	
	Issue: "A"	Rev No.: "0"
	Eff. Date: 22/07/2015	Page: 1 of 2

### TESTING REQUIREMENTS FOR MANUAL SPIDERS USING STANDARD ROTARY SLIPS

Rev	Reason of Change	Date	Made By	Reviewed By	Approved By	Status
0	--	22/7/2015	SA	ND	SD	RELEASED




	SARA SAE ENGINEERING SPECIFICATION	
	SPECIFICATION NUMBER: SES 26-792 A	
	Issue: "A"	Rev No.: "0"
	Eff. Date: 22/07/2015	Page: 2 of 2

## 1.0 SCOPE

This procedure covers the "in-plant" engineering test requirements per API 7K, 5th Edition, for Manual Spiders manufactured by SARA SAE PVT Limited.

## 2.0 REFERENCE STANDARD

The testing of the Spider is carried out as per requirements mentioned under clause 9.9 of API 7K, 5<sup>th</sup> Edition.

## 3.0 QUALITY CONTROL TEST REQUIREMENTS

### 3.1 PROOF LOAD TEST

#### 3.1.1 General Instructions/Requirements:

Collect and assemble the following items for the load test:

- Body
- Guard Door
- Door pin assembly with chain
- Slip assembly
- Foot paddle assembly
- Select and arrange the mandrel corresponding to the size of the spider being tested

#### 3.1.2 Proof Load Test Procedure

3.1.2.1 Mount the test equipment with mandrel on the test fixture and ensure secure placement.

3.1.2.2 Apply the test pressure i.e. 1.5 times the rated working pressure on the mandrel.

3.1.2.3 Release the pressure after 5 minutes.

3.1.2.4 Remove the spider from the test fixture.

3.1.2.5 Disassemble the spider after removing from the testing fixture.

3.1.2.6 All critical load bearing area shall be subjected to MPI as per SSE/QAD/MT-1/97.

#### 3.1.3 Acceptance criteria

3.1.3.1 There should be no slippage when load is applied on the mandrel for the specified time duration

3.1.3.2 The spider shall pass the MPI as per the acceptance criteria in the above mentioned procedure.

