

Test Stand PAI-001-TS

Please refer to all safety regulations and guidelines designated in the SunSource TS1 Manual before performing any maintenance or adjustments to stand

	Description of Maintenance	Condition	Date	Initial
1	Inspect Operating Area			
	a. Clean area of debris or excess fluid			
	b. Touch screen clean of oil/dirt			
	c. All lines capped and secured			
	d. All gauges clean of oil/dirt			
	e. Clean operating sink and drain excessive oil/dirt			
	f. Check for any structural damages to stand			
	g. Check all labels are clear and legible			
2	Inspect/Replace Filter Elements (5)			
	a. Main tank return filter			
	b. Main pressure-IN filter			
	c. Yellow case drain filter			
	d. Green case drain filter			
	e. Y - Strainer for sump tank			
3	Check Fluid Level of Reservoir Tank			
	a. Check/Replace seals on reservoir tanks			
	b. Main Tank reservoir level half minimum			
	c. Check sump tank and operation of pump			
4	Check for Hose Leaks, Loose Connections, or any Damage			
	a. Power Unit			
	- 11 Soft line hoses for system (Date of hose)			
	b. Test Cell			
	- 7 Soft line hoses for system (Date of hose)			
	c. Umbilical connections			
	- 13 Soft line hoses for system (Date of hose)			

***NOTE: If soft line hosing show signs of bulging or hose is past life expectancy the hose MUST be replaced**

	Description of Maintenance	Condition	Date	Initial
5	Check Gauges for Proper Calibration			
	a. Analog gauges attached to test cell			
	b. Auxillary Gauges on Panel			
	-Top left (5000 psi)			
	-Bottom left (5000 psi)			
	-Top right (5000psi)			
	-Bottom right (1000 psi)			

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***Note:** The touchscreen for the unit DOES NOT require much input force for user functionality

6	Verify Operation of stand			
a.	System check			
	- Start up of motor/pump			
	- Check motor mounts for system			
b.	Run Acuator test procedure and test pressure to system			
c.	Run PTU test procedure and test pressure to system			
d.	Test manual pump and test pressure to system			
6	Acidity test of Skydrol Fluids			
a.	Use Skytest Kit. Mark good if already completed			
b.	Check system fluid for any contaminants			
7	Verify Touchscreen Component			
a.	Enable settings for correct test procedures			
b.	Check for system status screen and alarms			
c.	Select pump pressure (HIGH)			
8	Verify Electrical Components			
a.	E-Stop on operator interface			
b.	E-Stop on power panel (power cell)			
c.	Main breaker switch for 480V power			
d.	Breaker lockout for power cell box			
e.	Inspect electrical lines to valves and sensors			
f.	Check for any loose wiring or bad connections in panel			

****Warning**** Always operate stand using proper start up and shut down procedures for test stand. Improper operation of stand could result in damage to system.

Preventive Maintenance Checklist - Annual
Test Stand PAI-001-TS

Year_____

Notes

Record any known discrepancies here
