ECT Step by Step

Lab Scales

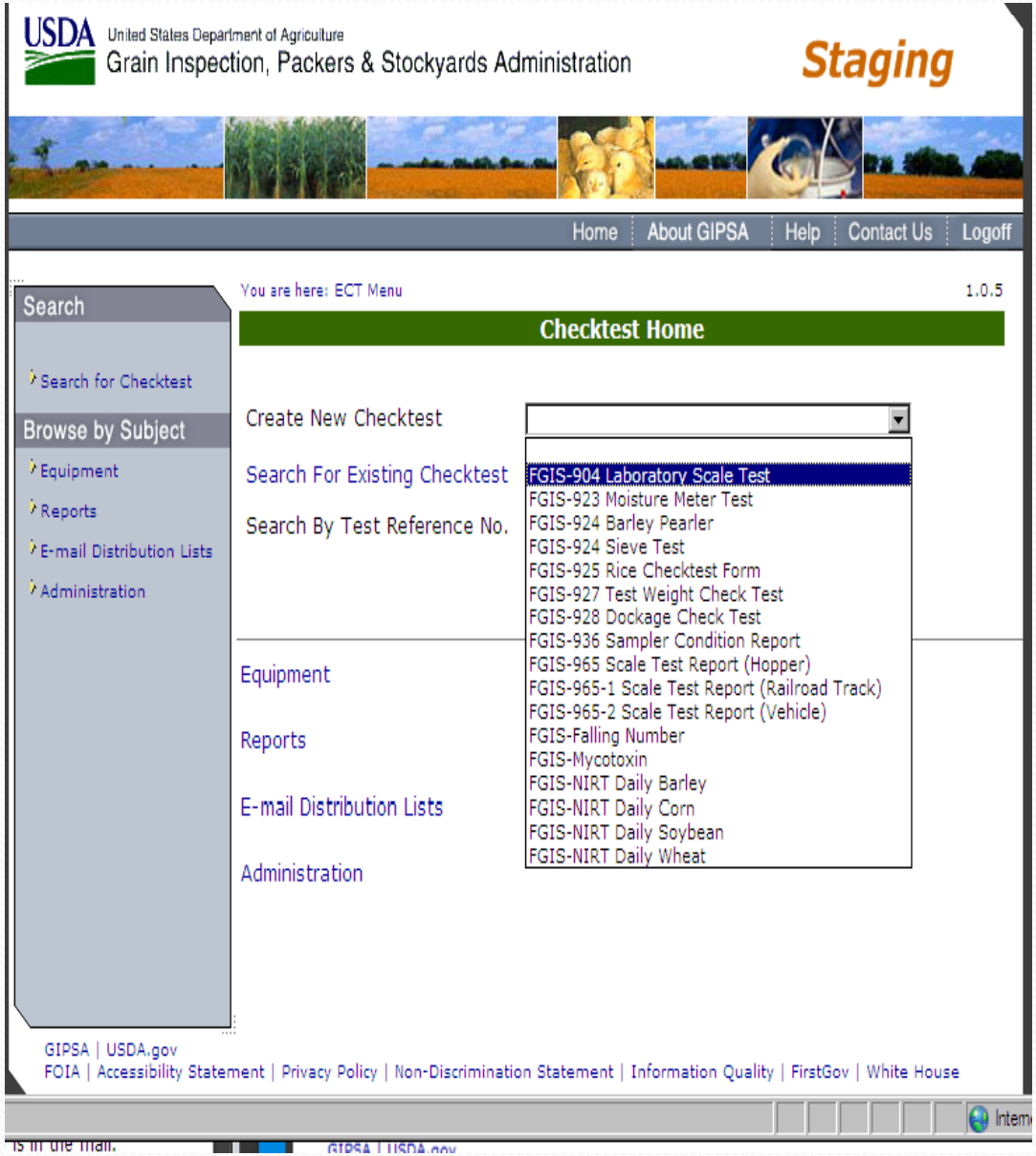
7/24/08

Lab Scales

For New Test

Select FGIS-904 Lab Scale Test from Dropdown next to Create New Test

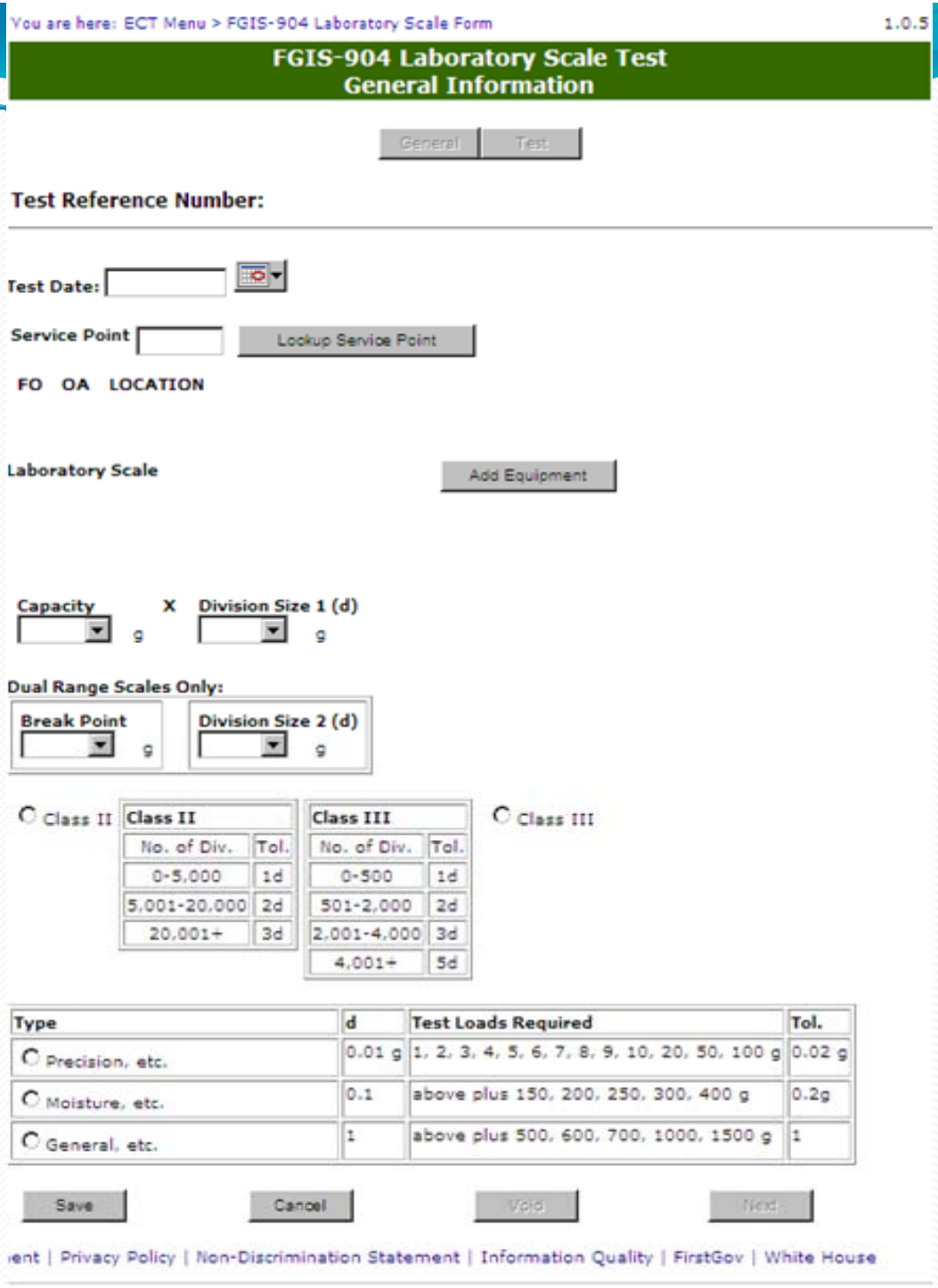
To finish an Open test use Search or enter the Test Reference No.



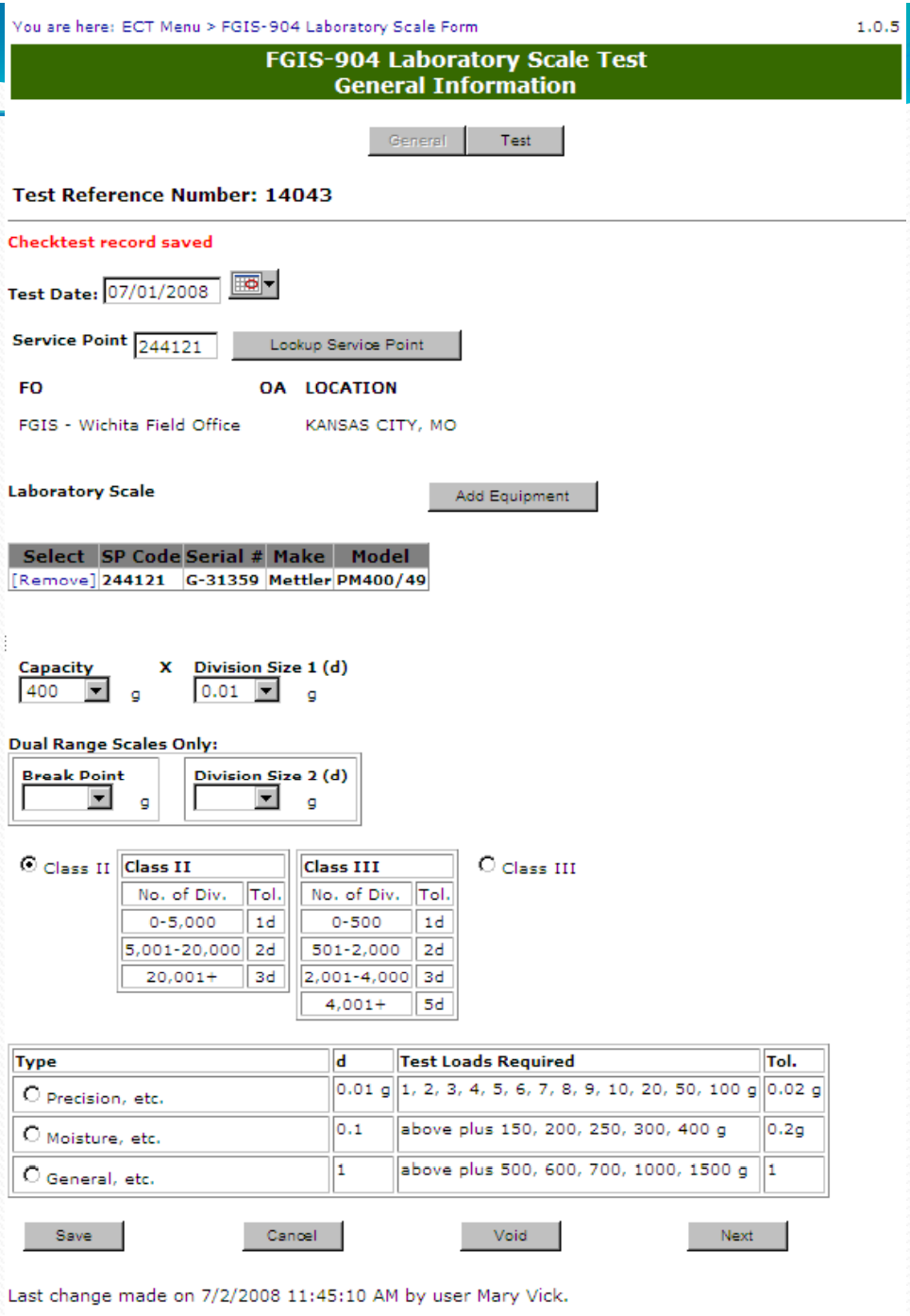
Blank General Page

Steps to Complete:

1. Enter Test Date
2. Enter Service Point
3. Click on Add Equipment
4. Use Equipment search to find equipment and then Select Equipment
5. Select Capacity from Dropdown
6. Select Division Size from Dropdown
7. Only Dual range scales require use of breakpoint and Division Size 2
8. Select either Class II,
   Class III,
   Precision
   Moisture
   General
   Only select one.
9. Click on Save
10. Review page
11. Click on Next



Completed General Page



You are here: ECT Menu > FGIS-904 Laboratory Scale Form 1.0.5

FGIS-904 Laboratory Scale Test
General Information

General | Test

Test Reference Number: 14043

Checktest record saved

Test Date: 07/01/2008

Service Point 244121 Lookup Service Point

FO	OA	LOCATION
FGIS - Wichita Field Office		KANSAS CITY, MO

Laboratory Scale Add Equipment

Select	SP Code	Serial #	Make	Model
[Remove]	244121	G-31359	Mettler	PM400/49

Capacity 400 g **X** **Division Size 1 (d)** 0.01 g

Dual Range Scales Only:

Break Point g **Division Size 2 (d)** g

◉ Class II

Class II	
No. of Div.	Tol.
0-5,000	1d
5,001-20,000	2d
20,001+	3d

Class III	
No. of Div.	Tol.
0-500	1d
501-2,000	2d
2,001-4,000	3d
4,001+	5d

○ Class III

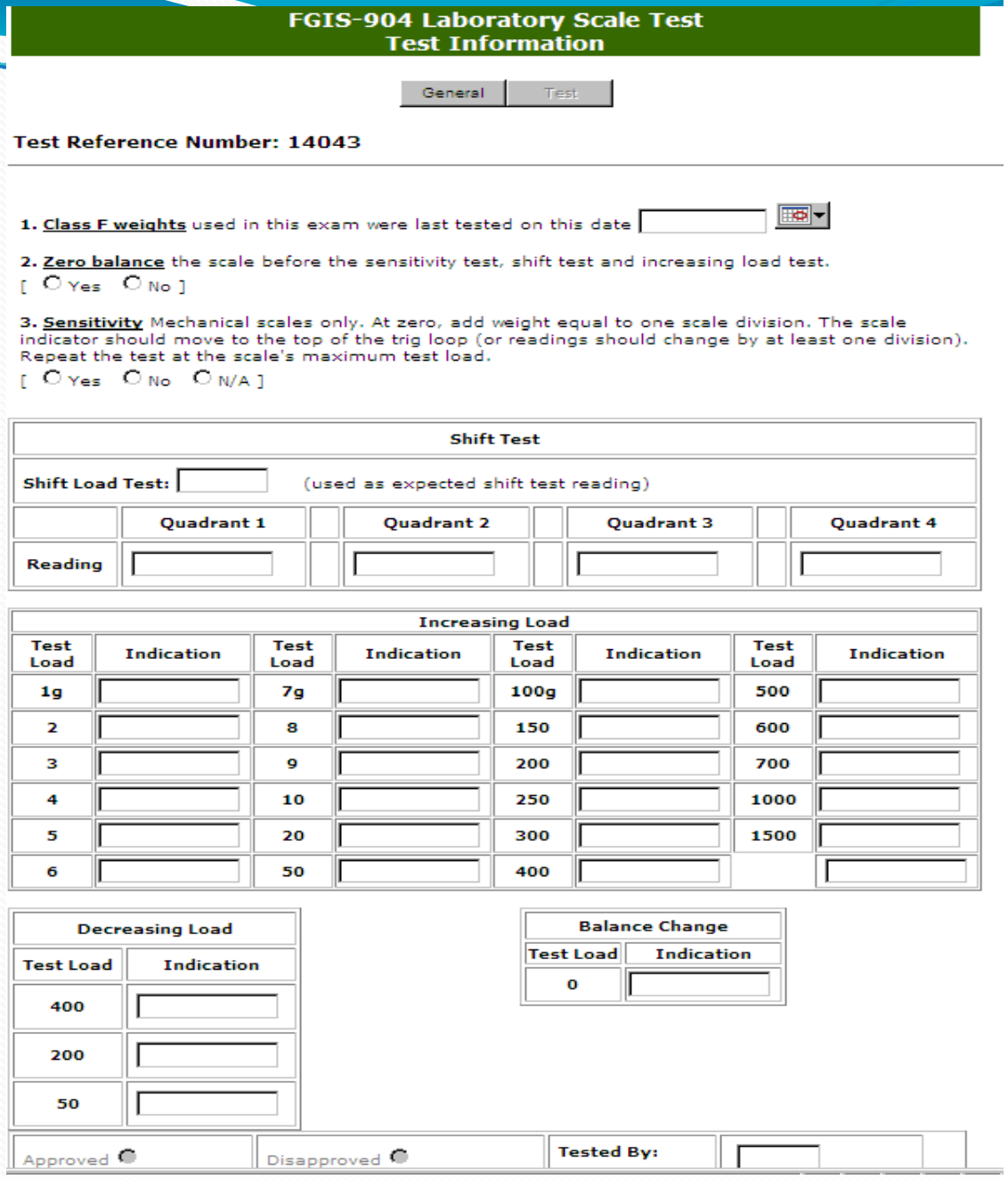
Type	d	Test Loads Required	Tol.
○ Precision, etc.	0.01 g	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 20, 50, 100 g	0.02 g
○ Moisture, etc.	0.1	above plus 150, 200, 250, 300, 400 g	0.2g
○ General, etc.	1	above plus 500, 600, 700, 1000, 1500 g	1

Save Cancel Void Next

Last change made on 7/2/2008 11:45:10 AM by user Mary Vick.

Blank Test Page

1. Enter date test weights last checked.
2. Record Yes (No will fail test) for zero balancing the scale. Click over correct radio button.
3. Unless this is a mechanical scale select N/A by clicking over radio button. If mechanical Yes is required to pass.
4. Enter Shift test load
5. Enter Actual Test values.
6. Precision of results must match the division size
7. Click on Save
8. Review
9. Click on Submit



FGIS-904 Laboratory Scale Test
Test Information

General | Test

Test Reference Number: 14043

1. **Class F weights** used in this exam were last tested on this date

2. **Zero balance** the scale before the sensitivity test, shift test and increasing load test.
[Yes No]

3. **Sensitivity** Mechanical scales only. At zero, add weight equal to one scale division. The scale indicator should move to the top of the trig loop (or readings should change by at least one division). Repeat the test at the scale's maximum test load.
[Yes No N/A]

Shift Test							
Shift Load Test: (used as expected shift test reading)							
	Quadrant 1		Quadrant 2		Quadrant 3		Quadrant 4
Reading							

Increasing Load							
Test Load	Indication	Test Load	Indication	Test Load	Indication	Test Load	Indication
1g		7g		100g		500	
2		8		150		600	
3		9		200		700	
4		10		250		1000	
5		20		300		1500	
6		50		400			

Decreasing Load	
Test Load	Indication
400	
200	
50	

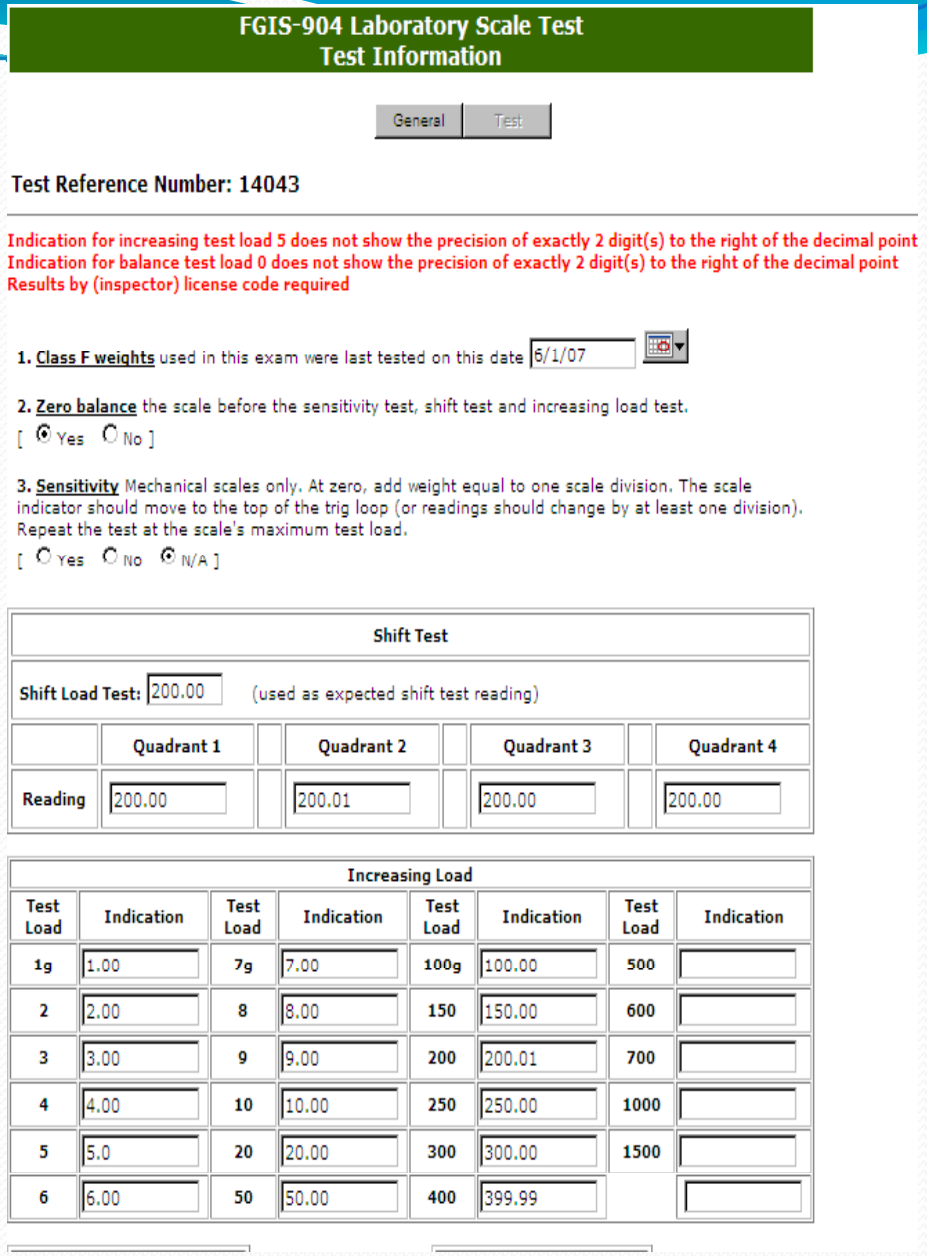
Balance Change	
Test Load	Indication
0	

Approved | Disapproved | Tested By:

Error Messages

The system will check for missing information and will check the data for correct precision.

It will not let you submit results until these errors are corrected.



FGIS-904 Laboratory Scale Test
Test Information

General | Test

Test Reference Number: 14043

Indication for increasing test load 5 does not show the precision of exactly 2 digit(s) to the right of the decimal point
Indication for balance test load 0 does not show the precision of exactly 2 digit(s) to the right of the decimal point
Results by (inspector) license code required

1. Class F weights used in this exam were last tested on this date 6/1/07

2. Zero balance the scale before the sensitivity test, shift test and increasing load test.
[(•) Yes ( ) No]

3. Sensitivity Mechanical scales only. At zero, add weight equal to one scale division. The scale indicator should move to the top of the trig loop (or readings should change by at least one division). Repeat the test at the scale's maximum test load.
[( ) Yes ( ) No (•) N/A]

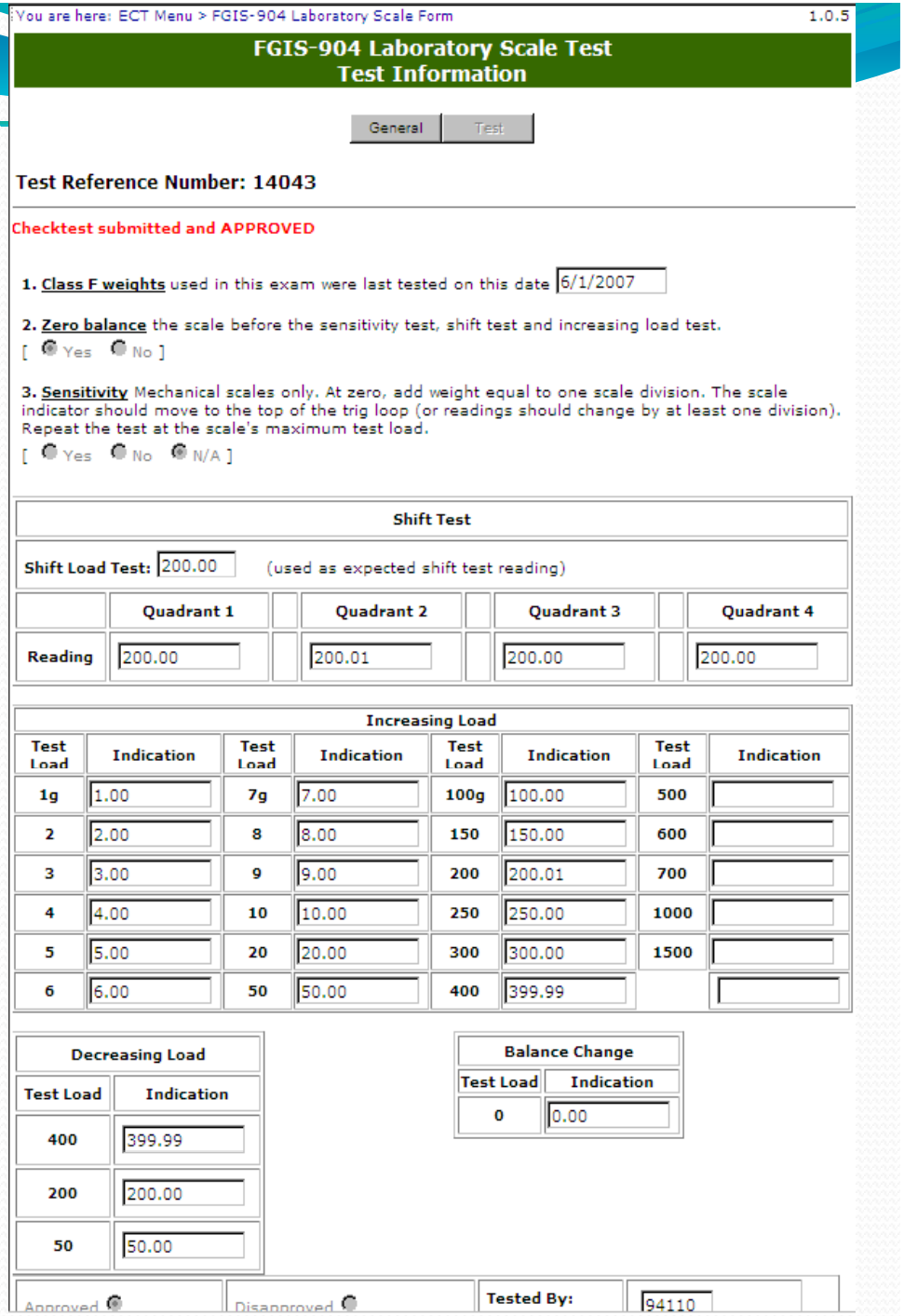
Shift Test				
Shift Load Test: 200.00 (used as expected shift test reading)				
	Quadrant 1	Quadrant 2	Quadrant 3	Quadrant 4
Reading	200.00	200.01	200.00	200.00

Increasing Load							
Test Load	Indication	Test Load	Indication	Test Load	Indication	Test Load	Indication
1g	1.00	7g	7.00	100g	100.00	500	
2	2.00	8	8.00	150	150.00	600	
3	3.00	9	9.00	200	200.01	700	
4	4.00	10	10.00	250	250.00	1000	
5	5.0	20	20.00	300	300.00	1500	
6	6.00	50	50.00	400	399.99		

Test that passed

Click on Cancel to go back to Home page or use breadcrumb menu at the top

Note: Approved radio button is now selected.



You are here: ECT Menu > FGIS-904 Laboratory Scale Form 1.0.5

FGIS-904 Laboratory Scale Test
Test Information

General | Test

Test Reference Number: 14043

Checktest submitted and APPROVED

1. Class F weights used in this exam were last tested on this date 6/1/2007

2. Zero balance the scale before the sensitivity test, shift test and increasing load test.
[Yes No]

3. Sensitivity Mechanical scales only. At zero, add weight equal to one scale division. The scale indicator should move to the top of the trig loop (or readings should change by at least one division). Repeat the test at the scale's maximum test load.
[Yes No N/A]

Shift Test

Shift Load Test: 200.00 (used as expected shift test reading)

	Quadrant 1	Quadrant 2	Quadrant 3	Quadrant 4
Reading	200.00	200.01	200.00	200.00

Increasing Load

Test Load	Indication	Test Load	Indication	Test Load	Indication	Test Load	Indication
1g	1.00	7g	7.00	100g	100.00	500	
2	2.00	8	8.00	150	150.00	600	
3	3.00	9	9.00	200	200.01	700	
4	4.00	10	10.00	250	250.00	1000	
5	5.00	20	20.00	300	300.00	1500	
6	6.00	50	50.00	400	399.99		

Decreasing Load

Test Load	Indication
400	399.99
200	200.00
50	50.00

Balance Change

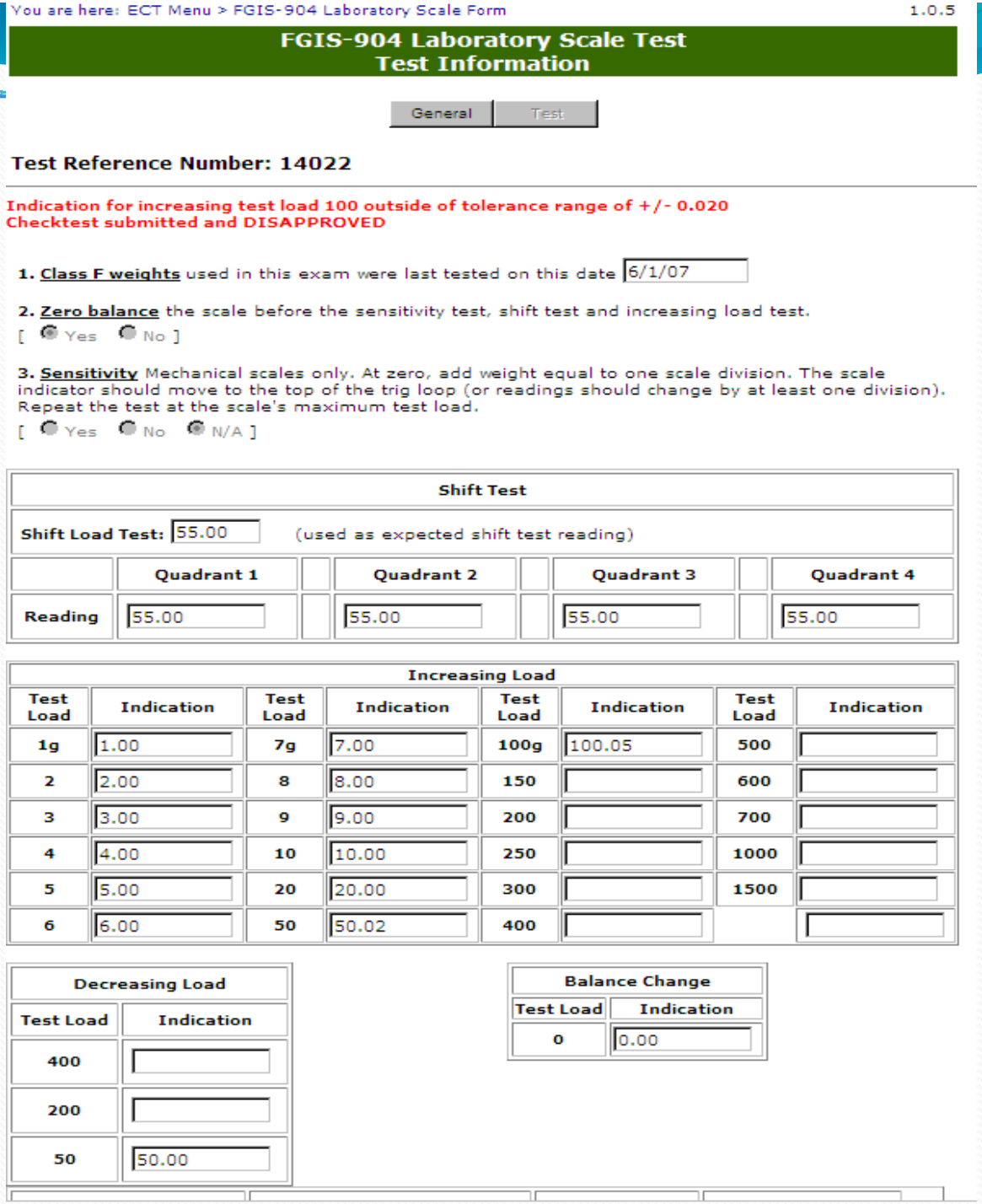
Test Load	Indication
0	0.00

Approved Disapproved Tested By: 94110

Test that Failed

Information show in red is not saved as part of the record.

I usually copy that and paste into remarks as a reminder of why a test failed.



You are here: ECT Menu > FGIS-904 Laboratory Scale Form 1.0.5

FGIS-904 Laboratory Scale Test
Test Information

General | Test

Test Reference Number: 14022

Indication for increasing test load 100 outside of tolerance range of +/- 0.020
Checktest submitted and DISAPPROVED

1. **Class F weights** used in this exam were last tested on this date 6/1/07

2. **Zero balance** the scale before the sensitivity test, shift test and increasing load test.
[Yes No]

3. **Sensitivity** Mechanical scales only. At zero, add weight equal to one scale division. The scale indicator should move to the top of the trig loop (or readings should change by at least one division). Repeat the test at the scale's maximum test load.
[Yes No N/A]

Shift Test				
Shift Load Test: 55.00 (used as expected shift test reading)				
	Quadrant 1	Quadrant 2	Quadrant 3	Quadrant 4
Reading	55.00	55.00	55.00	55.00

Increasing Load							
Test Load	Indication	Test Load	Indication	Test Load	Indication	Test Load	Indication
1g	1.00	7g	7.00	100g	100.05	500	
2	2.00	8	8.00	150		600	
3	3.00	9	9.00	200		700	
4	4.00	10	10.00	250		1000	
5	5.00	20	20.00	300		1500	
6	6.00	50	50.02	400			

Decreasing Load	
Test Load	Indication
400	
200	
50	50.00

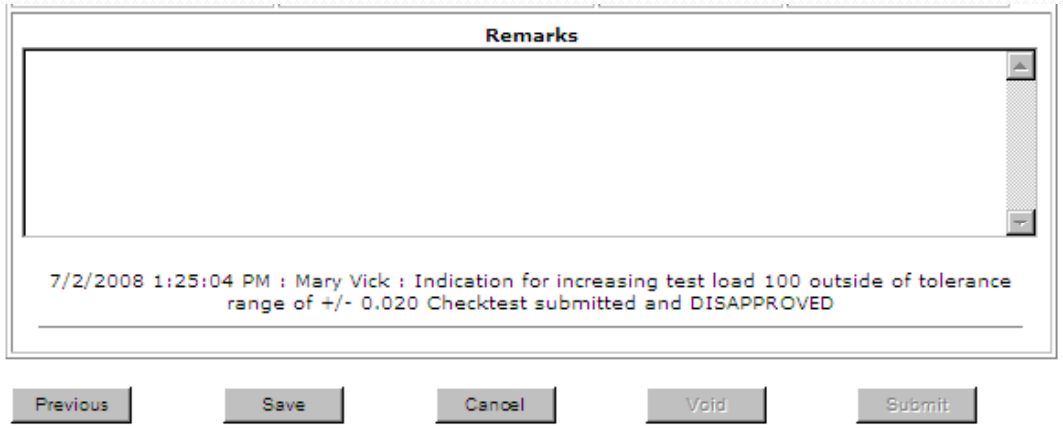
Balance Change	
Test Load	Indication
0	0.00

Remarks

I copied the comments in red displayed at the top to remarks and hit Save.

All subsequent remarks are saved the same way.

It show who and when each remarks entry is made.



Equipment Status Report for Lab Scales

Indicates Next Test Date

You are here: ECT Menu > Reports Menu > Equipment Status Reports 1.0.5

Equipment Status Reports
Parameters for Report Generation

Equipment Type	Serial #	Make	Model	TRN	Test Date	Status	Result	Next Test Date
244120	**Kansas City**				**MO**			
Laboratory Scale	1175	Ohaus	GT4400-G	14028	6/27/2008	Closed	Pass	12/24/2008
244121	**KANSAS CITY**				**MO**			
Laboratory Scale	602	Ohaus	GT4100G	14027	6/27/2008	Closed	Fail	12/24/2008
Laboratory Scale	G-31359	Mettler	PM400/49	14043	7/1/2008	Closed	Pass	12/28/2008
400010	**Aberdeen**				**SD**			
Laboratory Scale	1125322606P	Ohaus	ECD112	14022	6/20/2008	Closed	Fail	12/17/2008
Laboratory Scale	1009	Ohaus	GT400E	14021	6/18/2008	Closed	Pass	12/15/2008

Redo Generate

More Examples

- PM 2200
- PJ400

PM2200

Dual Range Class II

FGIS-904 Laboratory Scale Test
General Information

General | Test

Test Reference Number: 14053

Test Date: 7/7/08

Service Point 244121

FO	OA	LOCATION
FGIS - Wichita Field Office		KANSAS CITY, MO

Laboratory Scale

SP Code	Serial #	Make	Model
141341	K98331	Mettler	PM2200-1/49

Capacity 2100 g X Division Size 1 (d) 0.01 g

Dual Range Scales Only:

Break Point 200 g | Division Size 2 (d) 0.1 g

Class II

Class II	
No. of Div.	Tol.
0-5,000	1d
5,001-20,000	2d
20,001+	3d

Class III

Class III	
No. of Div.	Tol.
0-500	1d
501-2,000	2d
2,001-4,000	3d
4,001+	5d

Type	d	Test Loads Required	Tol.
Precision, etc.	0.01 g	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 20, 50, 100 g	0.02 g
Moisture, etc.	0.1	above plus 150, 200, 250, 300, 400 g	0.2g
General, etc.	1	above plus 500, 600, 700, 1000, 1500 g	1

Save | Cancel | Void | Next

You are here: SCT Menu > FGIS-904 Laboratory Scale Form 1.0.5

FGIS-904 Laboratory Scale Test
Test Information

General | Test

Test Reference Number: 14053

Checktest submitted and APPROVED

1. Class F weights used in this exam were last tested on this date 7/1/07

2. Zero balance the scale before the sensitivity test, shift test and increasing load test.
[Yes | No]

3. Sensitivity Mechanical scales only. At zero, add weight equal to one scale division. The scale indicator should move to the top of the trig loop (or readings should change by at least one division). Repeat the test at the scale's maximum test load.
[Yes | No | N/A]

Shift Test

Shift Load Test: 1050.0 (expected shift test reading)

	Quadrant 1	Quadrant 2	Quadrant 3	Quadrant 4
Reading	1050.0	1050.0	1050.0	1050.0

Increasing Load

Test Load	Indication	Test Load	Indication	Test Load	Indication	Test Load	Indication
1g	1.00	7g	7.00	100g	100.00	500	500.0
2	2.00	8	8.00	150	150.00	600	600.0
3	3.00	9	9.00	200	200.0	700	700.1
4	4.00	10	10.00	250	250.0	1000	1000.0
5	5.00	20	20.00	300	300.0	1500	1500.1
6	6.00	50	50.00	400	400.0	2100	2099.9

Decreasing Load

Test Load	Indication
400	400.0
200	200.0
50	50.00

Balance Change

Test Load	Indication
0	0.00

Approved | Disapproved | Tested By: 94110

Remarks

Previous | Save | Cancel | Void | Submit

PJ400

You are here: ECT Menu > FGIS-904 Laboratory Scale Form

FGIS-904 Laboratory Scale Test
General Information

General | Test

Test Reference Number: 14055

Test Date: 7/7/08

Service Point 244121

FO	OA	LOCATION
FGIS - Wichita Field Office		KANSAS CITY, MO

Laboratory Scale

SP Code	Serial #	Make	Model
461590	H-43095	Mettler	PJ400/49

Capacity 410 g × **Division Size 1 (d)** 0.01 g

Dual Range Scales Only:

Break Point g | **Division Size 2 (d)** g

Class II

Class II	
No. of Div.	Tol.
0-5,000	1d
5,001-20,000	2d
20,001+	3d

Class III	
No. of Div.	Tol.
0-500	1d
501-2,000	2d
2,001-4,000	3d
4,001+	5d

Class III

Type	d	Test Loads Required	Tol.
Precision, etc.	0.01 g	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 20, 50, 100 g	0.02 g
Moisture, etc.	0.1	above plus 150, 200, 250, 300, 400 g	0.2g
General, etc.	1	above plus 500, 600, 700, 1000, 1500 g	1

Save | Cancel | Void | Next

FGIS-904 Laboratory Scale Test
Test Information

General | Test

Test Reference Number: 14055

Checktest submitted and APPROVED

1. Class F weights used in this exam were last tested on this date 7/4/06

2. Zero balance the scale before the sensitivity test, shift test and increasing load test.
[Yes No]

3. Sensitivity Mechanical scales only. At zero, add weight equal to one scale division. The scale indicator should move to the top of the trig loop (or readings should change by at least one division). Repeat the test at the scale's maximum test load.
[Yes No N/A]

Shift Test

Shift Load Test: 200.00 (used as expected shift test reading)

	Quadrant 1	Quadrant 2	Quadrant 3	Quadrant 4
Reading	199.98	199.98	199.98	199.98

Increasing Load

Test Load	Indication	Test Load	Indication	Test Load	Indication	Test Load	Indication
1g	1.00	7g	7.00	100g	99.99	500	
2	2.00	8	8.00	150	149.99	600	
3	3.00	9	9.00	200	199.98	700	
4	4.00	10	10.00	250	249.98	1000	
5	5.00	20	20.00	300	299.97	1500	
6	6.00	50	50.00	400	399.97		

Decreasing Load

Test Load	Indication
400	399.97
200	199.98
50	50.00

Balance Change

Test Load	Indication
0	0.00

Approved | Disapproved | **Tested By:** 94110