

Test 2 - Pressure Analysis

This spreadsheet is to assess the difference in pressure readings between the dead weight instrument and the pressure chart instrument - taken at the same time, at the same pressure elevation.

The line width on a pressure chart at this scale is estimated to represent 4 to 5 psig in thickness. For this exercise, if the pressure measurement from the dead weight log falls within the "line width range", that pressure reading will be repeated in the pressure chart reading column. If there is an apparent difference in readings, the observed pressure chart reading is noted.

Test # 2 Intervals	Military Time	Dead Weight Log Reading	Pressure Chart Reading	Difference in Readings
1	1045	752	752	0
2	1055	752	752	0
3	1105	752	752	0
4	1115	752	752	0
5	1130	747	747	0
6	1145	737	737	0
7	1200	725	725	0
8	1215	710	710	0
9	1230	710	710	0
10	1245	710	710	0
11	1300	710	710	0
12	1315	710	710	0
13	1330	710	710	0
14	1345	710	710	0
15	1400	710	710	0
16	1415	710	710	0
17	1430	710	710	0
18	1445	710	710	0
19	1500	710	710	0
20	1515	710	710	0
21	1530	710	710	0
22	1545	710	710	0
23	1600	710	710	0
24	1615	710	710	0
25	1630	710	710	0
26	1645	710	710	0
27	1700	710	710	0
28	1715	710	710	0
29	1730	710	710	0
30	1745	710	710	0
31	1800	710	710	0
32	1815	710	710	0
33	1830	710	710	0
34	1845	710	710	0
35	1900	710	710	0
36	1915	710	710	0
37	1930	710	710	0
38	1945	710	710	0
39	2000	710	710	0
Average Difference =				0

Test 3 - Pressure Analysis

This spreadsheet is to assess the difference in pressure readings between the dead weight instrument and the pressure chart instrument - taken at the same time, at the same pressure elevation.

The line width on a pressure chart at this scale is estimated to represent 4 to 5 psig in thickness. For this exercise, if the pressure measurement from the dead weight log falls within the "line width range", that pressure reading will be repeated in the pressure chart reading column. If there is an apparent difference in readings, the observed pressure chart reading is noted.

Test 3 Intervals	Military Time	Dead Weight Log Reading	Pressure Chart Reading	Difference in Readings
1	0045	751	751	0
2	0055	751	751	0
3	0105	751	751	0
4	0115	751	751	0
ramp down 5	0130	704	720	-16
6	0145	704	704	0
7	0200	704	704	0
8	0215	704	704	0
9	0230	704	704	0
10	0245	704	704	0
11	0300	703	703	0
12	0315	703	703	0
13	0330	703	703	0
14	0345	703	703	0
15	0400	703	703	0
16	0415	703	703	0
17	0430	703	703	0
18	0445	703	703	0
19	0500	703	703	0
20	0515	703	703	0
21	0530	703	703	0
22	0545	703	703	0
23	0600	703	703	0
24	0615	703	703	0
25	0630	703	703	0
26	0645	702	702	0
27	0700	702	702	0
28	0715	702	702	0
29	0730	702	702	0
30	0745	702	702	0
31	0800	702	702	0
32	0815	702	702	0
33	0830	702	702	0
34	0845	702	702	0
35	0900	702	702	0
Average Difference =				0.46

Test 40 - Pressure Analysis

This spreadsheet is to assess the difference in pressure readings between the dead weight instrument and the pressure chart instrument - taken at the same time, at the same pressure elevation.

The line width on a pressure chart at this scale is estimated to represent 4 to 5 psig in thickness. For this exercise, if the pressure measurement from the dead weight log falls within the "line width range", that pressure reading will be repeated in the pressure chart reading column. If there is an apparent difference in readings, the observed pressure chart reading is noted.

Test 40 Intervals (Second Test)	Military Time	Dead Weight Log Reading	Pressure Chart Reading	Difference in Readings
1	1000	620	620	0
2	1015	620	620	0
3	1030	620	620	0
4	1045	620	620	0
5	1100	620	620	0
6	1115	620	620	0
7	1130	621	621	0
8	1145	621	621	0
9	1200	621	621	0
10	1215	621	621	0
11	1230	621	621	0
12	1245	621	621	0
13	1300	622	622	0
14	1315	622	622	0
15	1330	622	622	0
16	1345	622	622	0
17	1400	622	622	0
18	1415	622	622	0
19	1430	622	622	0
20	1445	622	622	0
21	1500	622	622	0
22	1515	622	622	0
23	1530	622	622	0
24	1545	622	622	0
25	1600	623	623	0
26	1615	623	623	0
27	1630	623	623	0
28	1645	623	623	0
29	1700	623	623	0
30	1715	623	623	0
31	1730	623	623	0
32	1745	623	623	0
33	1800	623	623	0
		Average Difference =		0

Test 40 Intervals (24" Valve Test)	Military Time	Dead Weight Log Reading	Pressure Chart Reading	Difference in Readings
1	1030	627	627	0
2	1040	628	628	0
3	1050	629	629	0
4	1100	630	630	0
5	1110	631	631	0
6	1120	631	631	0
7	1130	632	632	0
		Average Difference =		0

Test 41 - Pressure Analysis

This spreadsheet is to assess the difference in pressure readings between the dead weight instrument and the pressure chart instrument - taken at the same time, at the same pressure elevation.

The line width on a pressure chart at this scale is estimated to represent 4 to 5 psig in thickness. For this exercise, if the pressure measurement from the dead weight log falls within the "line width range", that pressure reading will be repeated in the pressure chart reading column. If there is an apparent difference in readings, the observed pressure chart reading is noted.

Test 41 Intervals (Third Test)	Military Time	Dead Weight Log Reading	Pressure Chart Reading	Difference in Readings
1	1145	620	617	3
2	1155	622	619	3
3	1205	626	622	4
4	1215	628	624	4
5	1225	631	628	3
6	1235	634	630	4
7	1245	637	634	3
8	1300	642	638	4
9	1315	646	642	4
10	1330	652	648	4
11	1345	656	652	4
12	1400	662	659	3
13	1415	667	663	4
14	1430	673	669	4
15	1445	676	673	3
16	1500	682	679	3
17	1515	685	682	3
18	1530	690	688	2
19	1545	693	693	0
20	1600	686	684	2
21	1615	688	686	2
22	1630	691	688	3
23	1645	693	693	0
24	1700	695	695	0
25	1715	686	686	0
26	1730	687	687	0
27	1745	688	688	0
28	1800	688	688	0
29	1815	688	688	0
30	1830	688	688	0
31	1845	686	686	0
32	1900	685	685	0
33	1915	682	682	0
34	1930	680	680	0
35	2000	677	677	0
Average Psig Difference =				1.8
Average Percent Difference =				0.27%