

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% |