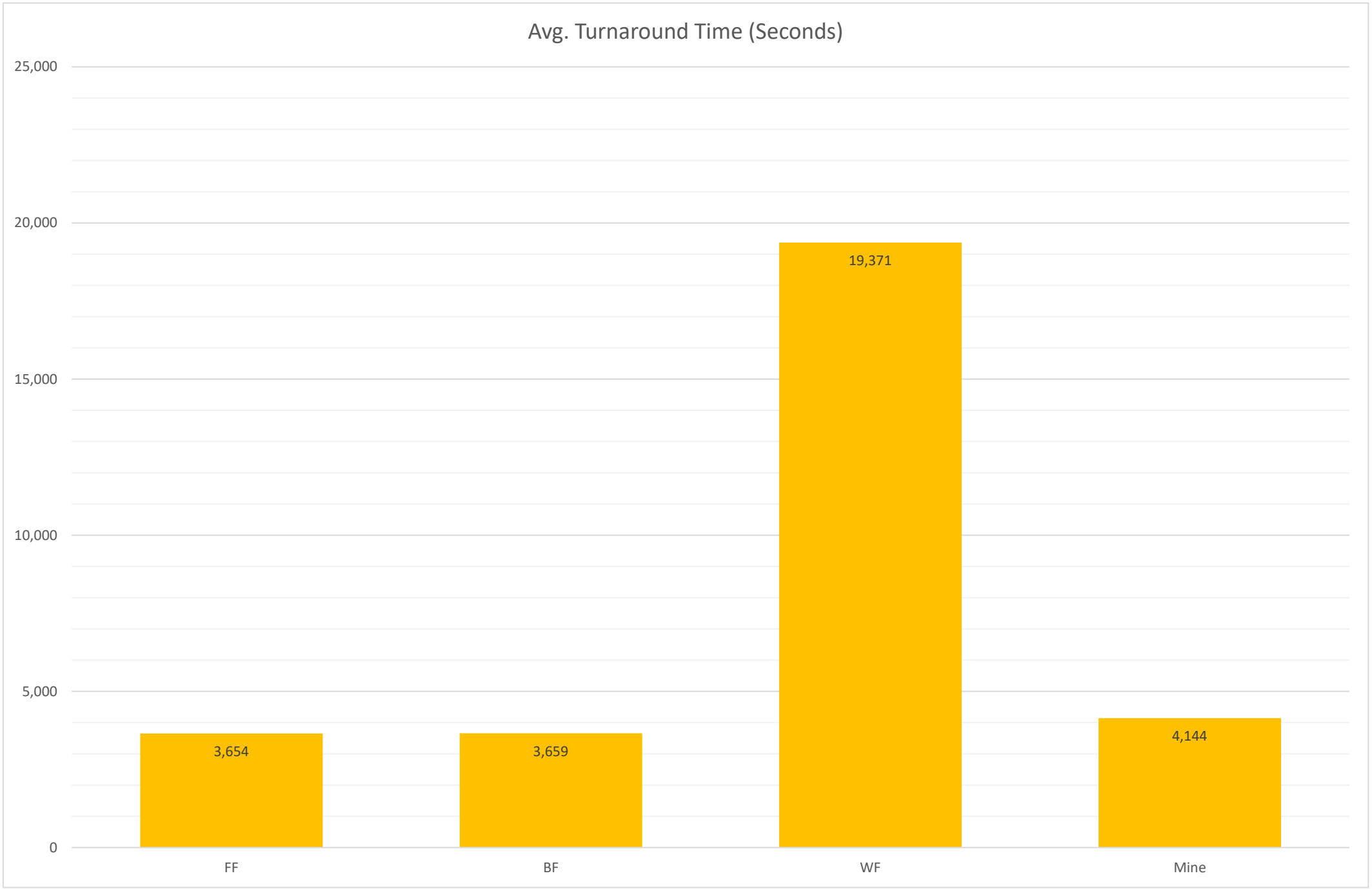
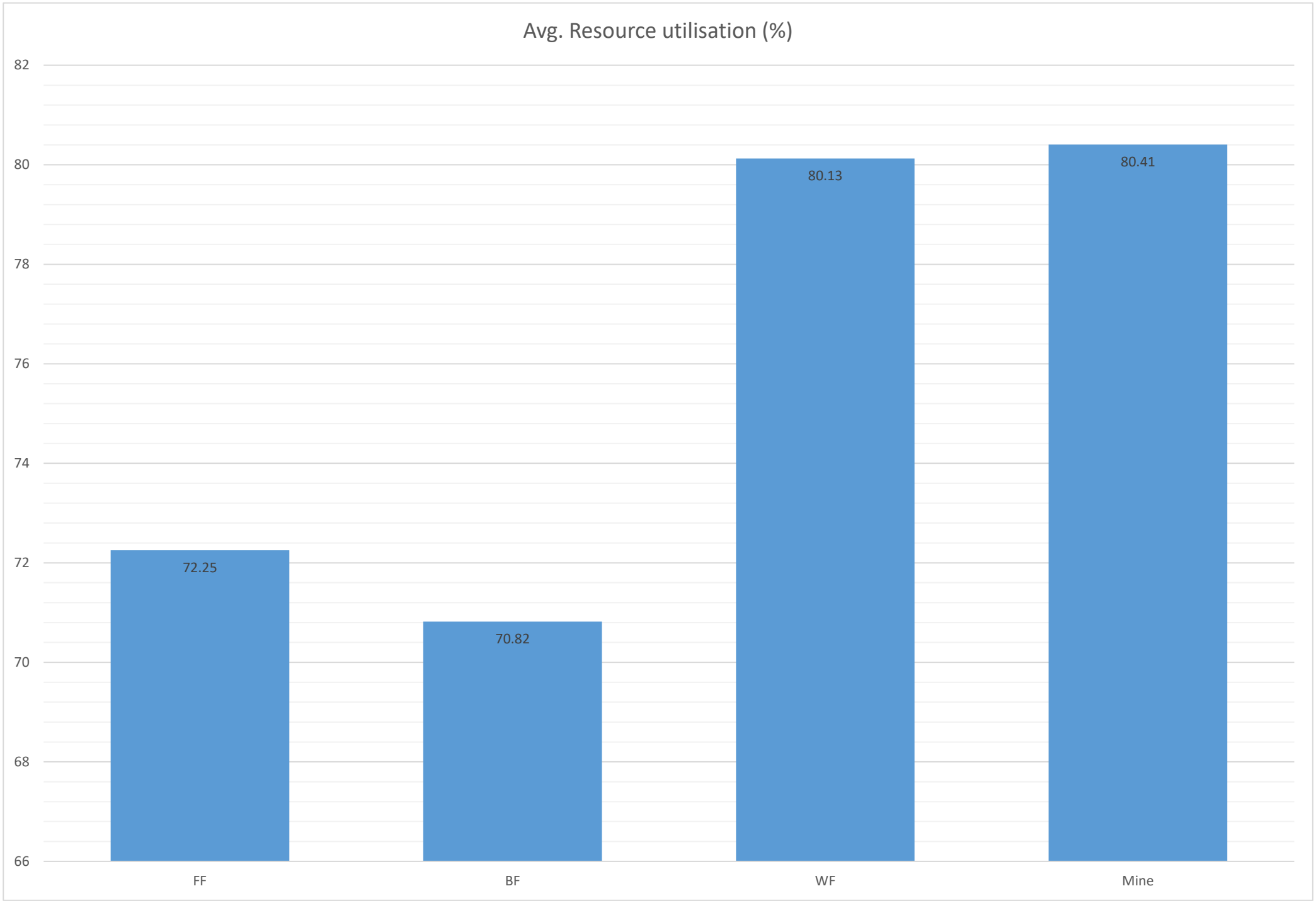
FROM: test_results (DATA SET 1)

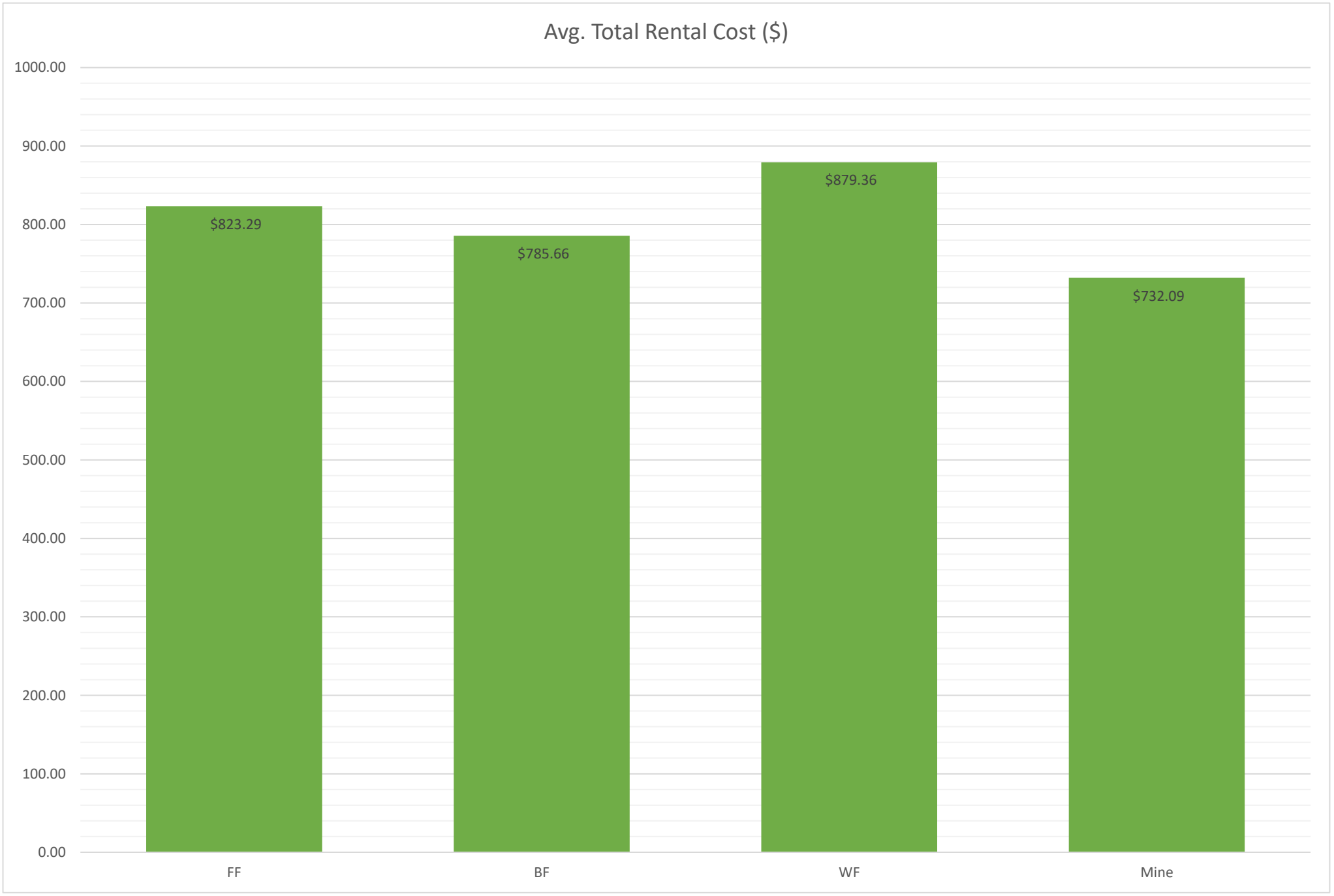
| **Turnaround time** | | | | | |
|---|---|---|---|---|---|
| **Config** | **ATL** | **FF** | **BF** | **WF** | **Mine** |
| config100-long-high.xml | 672786 | 2428 | 2450 | 29714 | 2745 |
| config100-long-low.xml | 316359 | 2458 | 2458 | 2613 | 2456 |
| config100-long-med.xml | 679829 | 2356 | 2362 | 10244 | 2399 |
| config100-med-high.xml | 331382 | 1184 | 1198 | 12882 | 1411 |
| config100-med-low.xml | 283701 | 1205 | 1205 | 1245 | 1204 |
| config100-med-med.xml | 342754 | 1153 | 1154 | 4387 | 1192 |
| config100-short-high.xml | 244404 | 693 | 670 | 10424 | 1031 |
| config100-short-low.xml | 224174 | 673 | 673 | 746 | 671 |
| config100-short-med.xml | 256797 | 645 | 644 | 5197 | 749 |
| config20-long-high.xml | 240984 | 2852 | 2820 | 10768 | 2893 |
| config20-long-low.xml | 55746 | 2493 | 2494 | 2523 | 2492 |
| config20-long-med.xml | 139467 | 2491 | 2485 | 2803 | 2516 |
| config20-med-high.xml | 247673 | 1393 | 1254 | 8743 | 1504 |
| config20-med-low.xml | 52096 | 1209 | 1209 | 1230 | 1209 |
| config20-med-med.xml | 139670 | 1205 | 1205 | 1829 | 1249 |
| config20-short-high.xml | 145298 | 768 | 736 | 5403 | 1379 |
| config20-short-low.xml | 49299 | 665 | 665 | 704 | 664 |
| config20-short-med.xml | 151135 | 649 | 649 | 878 | 700 |
| Average | 254086.33 | 1473.33 | 1462.83 | 6240.72 | 1581.33 |
| | | | | | |
| Improvement/Worsened: | 99.37764066 | -7.330333327 | -8.100736244 | 74.6610968 | |

| Resource utilisation (AVG) | | | | | |
|---|---|---|---|---|---|
| **Config** | **ATL** | **FF** | **BF** | **WF** | **Mine** |
| config100-long-high.xml | 100.00 | 83.58 | 79.03 | 80.99 | 73.2 |
| config100-long-low.xml | 100.00 | 50.47 | 47.52 | 76.88 | 78.89 |
| config100-long-med.xml | 100.00 | 62.86 | 60.25 | 77.45 | 71.48 |
| config100-med-high.xml | 100.00 | 83.88 | 80.64 | 89.53 | 87.53 |
| config100-med-low.xml | 100.00 | 40.14 | 38.35 | 76.37 | 76.09 |
| config100-med-med.xml | 100.00 | 65.69 | 61.75 | 81.74 | 73.87 |
| config100-short-high.xml | 100.00 | 87.78 | 85.70 | 94.69 | 89.23 |
| config100-short-low.xml | 100.00 | 35.46 | 37.88 | 75.65 | 71.33 |
| config100-short-med.xml | 100.00 | 67.78 | 66.72 | 78.12 | 71.48 |
| config20-long-high.xml | 100.00 | 91.00 | 88.97 | 66.89 | 61.29 |
| config20-long-low.xml | 100.00 | 55.78 | 56.72 | 69.98 | 86.02 |
| config20-long-med.xml | 100.00 | 75.40 | 73.11 | 78.18 | 79.05 |
| config20-med-high.xml | 100.00 | 88.91 | 86.63 | 62.53 | 70.45 |
| config20-med-low.xml | 100.00 | 46.99 | 46.30 | 57.27 | 83.76 |
| config20-med-med.xml | 100.00 | 68.91 | 66.64 | 65.38 | 61.82 |
| config20-short-high.xml | 100.00 | 89.53 | 87.60 | 61.97 | 83.42 |
| config20-short-low.xml | 100.00 | 38.77 | 38.57 | 52.52 | 76.4 |
| config20-short-med.xml | 100.00 | 69.26 | 66.58 | 65.21 | 58.73 |
| Average | 100 | 66.79 | 64.94 | 72.85 | 75.22 |
| | | | | | |
| Improvement/Worsened: (Mine vs. others) | -24.78 | 12.62164995 | 15.82999692 | 3.253260124 | |

| **Total rental cost** | | | | | |
|---|---|---|---|---|---|
| **Config** | **ATL** | **FF** | **BF** | **WF** | **Mine** |
| config100-long-high.xml | 620.01 | 776.34 | 784.3 | 886.06 | 726.22 |
| config100-long-low.xml | 324.81 | 724.66 | 713.42 | 882.02 | 618.71 |
| config100-long-med.xml | 625.5 | 1095.22 | 1099.21 | 1097.78 | 846.58 |
| config100-med-high.xml | 319.7 | 373 | 371.74 | 410.09 | 352 |
| config100-med-low.xml | 295.86 | 810.53 | 778.18 | 815.88 | 618.65 |
| config100-med-med.xml | 308.7 | 493.64 | 510.13 | 498.65 | 390.38 |
| config100-short-high.xml | 228.75 | 213.1 | 210.25 | 245.96 | 219 |
| config100-short-low.xml | 225.85 | 498.18 | 474.11 | 533.92 | 382.77 |
| config100-short-med.xml | 228.07 | 275.9 | 272.29 | 310.88 | 257.98 |
| config20-long-high.xml | 254.81 | 306.43 | 307.37 | 351.72 | 303.81 |
| config20-long-low.xml | 88.06 | 208.94 | 211.23 | 203.32 | 155.53 |
| config20-long-med.xml | 167.04 | 281.35 | 283.34 | 250.3 | 237.56 |
| config20-med-high.xml | 255.58 | 299.93 | 297.11 | 342.98 | 296.99 |
| config20-med-low.xml | 86.62 | 232.07 | 232.08 | 210.08 | 155.06 |
| config20-med-med.xml | 164.01 | 295.13 | 276.4 | 267.84 | 261.48 |
| config20-short-high.xml | 163.69 | 168.7 | 168 | 203.66 | 173.27 |
| config20-short-low.xml | 85.52 | 214.16 | 212.71 | 231.67 | 155.1 |
| config20-short-med.xml | 166.24 | 254.85 | 257.62 | 231.69 | 217.92 |
| Average | 256.05 | 417.9 | 414.42 | 443.03 | 353.83 |
| | | | | | |
| Improvement/Worsened:<br>(Mine vs. others) | -38.18785393 | 15.331419 | 14.62043338 | 20.1340767 | |


Avg. Turnaround Time (Seconds)
25,000
20,000
15,000
10,000
5,000
0
3,654
3,659
19,371
4,144
FF
BF
WF
Mine


Avg. Resource utilisation (%)
82
80
78
76
74
72
70
68
66
72.25
70.82
80.13
80.41
FF
BF
WF
Mine


Avg. Total Rental Cost ($)
1000.00
900.00
800.00
700.00
600.00
500.00
400.00
300.00
200.00
100.00
0.00
$823.29
$785.66
$879.36
$732.09
FF
BF
WF
Mine