# Data Sources :

## 3M-1 FINISHED PLAN.pdf (Data by Engine Maker)

Table 1 – Data asli

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Engine Output (%) | 50 | 70 | 85 | 85 | 100 | 100 |
| Te1 | 347 | 352 | 365 | 364 | 401 | 400 |
| Tc | 315.2 | 310.5 | 323.2 | 322.5 | 347.5 | 344.7 |
| Te2 | 275 | 246 | 238 | 238 | 253 | 254 |
| Ps | 0.08 | 0.15 | 0.19 | 0.19 | 0.23 | 0.24 |
| Pm | 9.75 | 12.13 | 13.58 | 13.55 | 14 | 14 |
| Pc | 6.13 | 8.15 | 9.7 | 9.7 | 11.25 | 11.25 |
| Ne | 100.8 | 112.8 | 120.4 | 120.3 | 127 | 127 |
| Nb | 8200 | 10300 | 11400 | 11400 | 12300 | 12300 |
| Be | 174.1 | 169.1 | 167.5 | 167.6 | 170.4 | 170.6 |
| Rc | 44.4 | 54.9 | 60.4 | 60.4 | 67.9 | 68 |

Table 2 – Agregasi data berdasarkan Engine Output (%)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Engine Output (%) | 50 | 70 | 85 | 100 |
| Te1 | 347 | 352 | 364.5 | 400.5 |
| Tc | 315.2 | 310.5 | 322.85 | 346.1 |
| Te2 | 275 | 246 | 238 | 253.5 |
| Ps | 0.08 | 0.15 | 0.19 | 0.235 |
| Pm | 9.75 | 12.13 | 13.565 | 14 |
| Pc | 6.13 | 8.15 | 9.7 | 11.25 |
| Ne | 100.8 | 112.8 | 120.35 | 127 |
| Nb | 8200 | 10300 | 11400 | 12300 |
| Be | 174.1 | 169.1 | 167.55 | 170.5 |
| Rc | 44.4 | 54.9 | 60.4 | 67.95 |

## 1M-7 RESULT OF SEA TRIAL (MACHINERY PART).pdf (Data by Testing)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Engine Output (%) | 50 | 70 | 85 | 100 | Mean |
| Te1 | 352 | 359 | 375 | 401 | 371.75 |
| Tc | 326.9 | 325.3 | 335.9 | 354.6 | 335.675 |
| Te2 | 276 | 252 | 248 | 257 | 258.25 |
| Ps | 0.08 | 0.14 | 0.18 | 0.22 | 0.155 |
| Pm | 9.58 | 11.67 | 13.21 | 14.01 | 12.1175 |
| Pc | 6.23 | 8.22 | 9.68 | 11.11 | 8.81 |
| Ne | 105 | 117.3 | 125 | 131.4 | 119.675 |
| Nb | 8425 | 10225 | 11250 | 12050 | 10487.5 |
| Be | 168.5 | 168.2 | 166.3 | 164.5 | 166.875 |
| Rc | 42.6 | 50.4 | 56.3 | 61.7 | 52.75 |

