Downtime of failure A + Downtime of failure B + Downtime of failure C
= (8 x 5) + (4.5 x 2) = (4.5 x1)
= 53.5 hours

Maintenance costs and downtime after Predictive Maintenance

Table A. 3. Cost of Repairs and Downtime

Failure Classification	Frequency of failures	Cost of failures in Rands	Downtime of failures in hours	Total cost of failures in Rands	Total Downtime in hours
A	2	60 000	8	120 000	16
B	1	200 000	4.5	200 000	4.5
C	3	12 000	4.5	36 000	13.5
Total	6			356 000	34

Decrease in downtime costs = (R 712 000 + R 868 000 + R 964 000)/3 = R 848 000
= (R 848 000 – R 356 000)/(R 848 000) x 100 % = 58 %

Decrease in downtime = (53.5 + 83 + 104.5)/3 = 80.3
= (80.3 -34)/80.3 x 100 % = 58 %