



Count of Product ID

10K

Sum of Machine failure

339

Most Common Failure...

HDF

Overall Failure Rate (%)

3.39

MTBF

29.50

Availability Rate

0.97

Average of Tool wear...

107.95

Min of Tool wear [min]

0

Max of Tool wear [min]

253

Machine failure

0

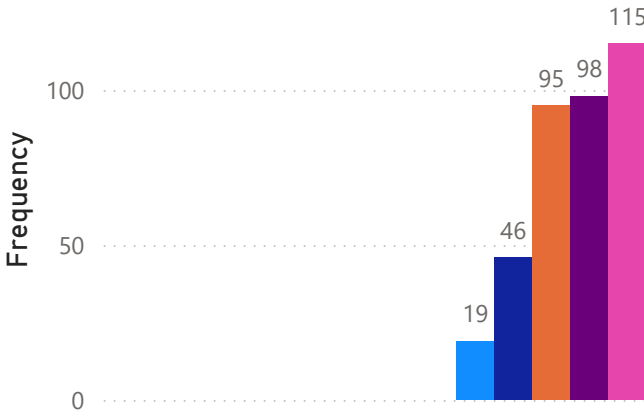
1

Type

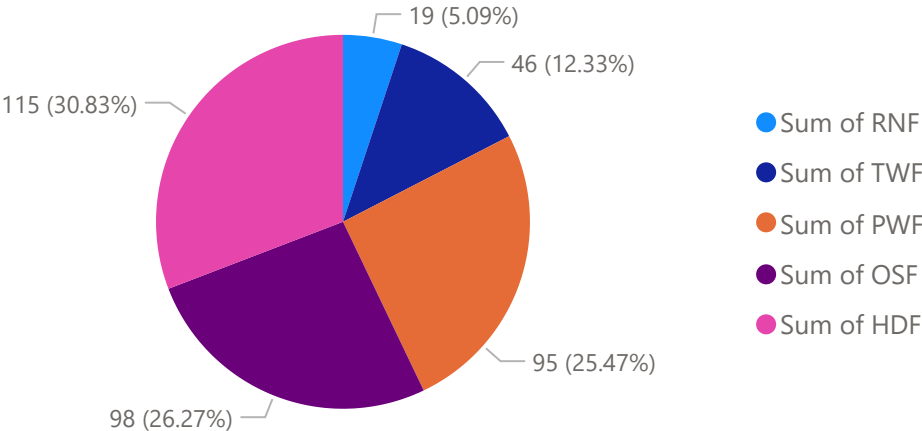
All

Failure Type Distribution

Sum of RNF Sum of TWF Sum of PWF Sum of OSF Sum of HDF

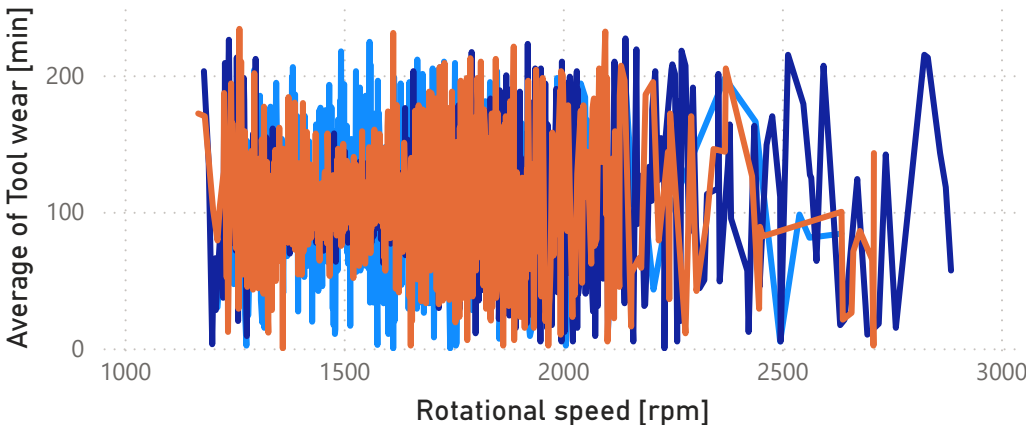


Failure Type Distribution



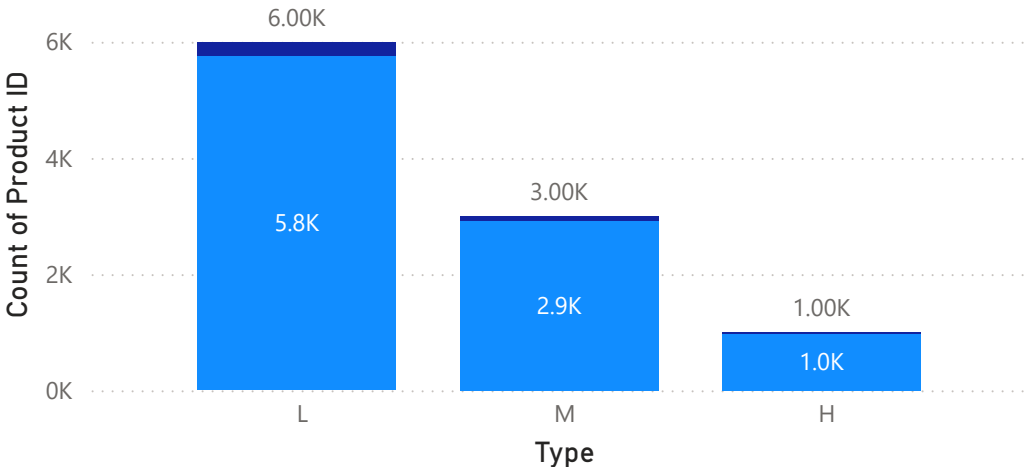
Tool Wear Distribution by RPM

Type H L M



Frequency of Product by Type

Machine failure 0 1



Product ID	Type	Tool wear [min]	Risk Score	Risk Level
H29571	H	206	81.42	Critical
H29742	H	205	81.03	Critical
H29743	H	210	83.00	Critical
H29997	H	210	83.00	Critical
H29998	H	215	84.98	Critical
H30001	H	224	88.54	Critical
H30005	H	235	92.89	Critical
H30006	H	240	94.86	Critical
H30162	H	203	80.24	Critical
H30169	H	222	87.75	Critical
H30339	H	210	83.00	Critical
H30501	H	206	81.42	Critical
H30585	H	222	87.75	Critical
H30587	H	229	90.51	Critical
H30660	H	207	81.82	Critical
H30743	H	209	82.61	Critical
H30745	H	216	85.38	Critical
H31090	H	207	81.82	Critical
H31096	H	225	88.93	Critical
H31176	H	204	80.63	Critical
H31496	H	212	83.79	Critical
H32080	H	203	80.24	Critical
H32083	H	214	84.58	Critical
H32270	H	223	88.14	Critical
H32274	H	235	92.89	Critical
H32278	H	246	97.23	Critical
H32860	H	211	83.40	Critical
H32940	H	204	80.63	Critical
H33189	H	203	80.24	Critical
H33271	H	204	80.63	Critical
H33276	H	218	86.17	Critical
Total			42.67	Medium

Key influencers Top segments

What influences Machine failure to Increase ?

When... ..the average of Machine failure increases by

Tool Wear x Torque (min nM) is more than 11919.80

0.97

Average of Torque [Nm] is 13 or less

0.87

Average of Torque [Nm] is more than 64.9

0.8

Tool Wear x Torque (min nM) is 10993.80 - 11730.40

0.76

Average of Rotational speed [rpm] is more than 2465

0.75

Temp Diff is 8.60 or less

0.15

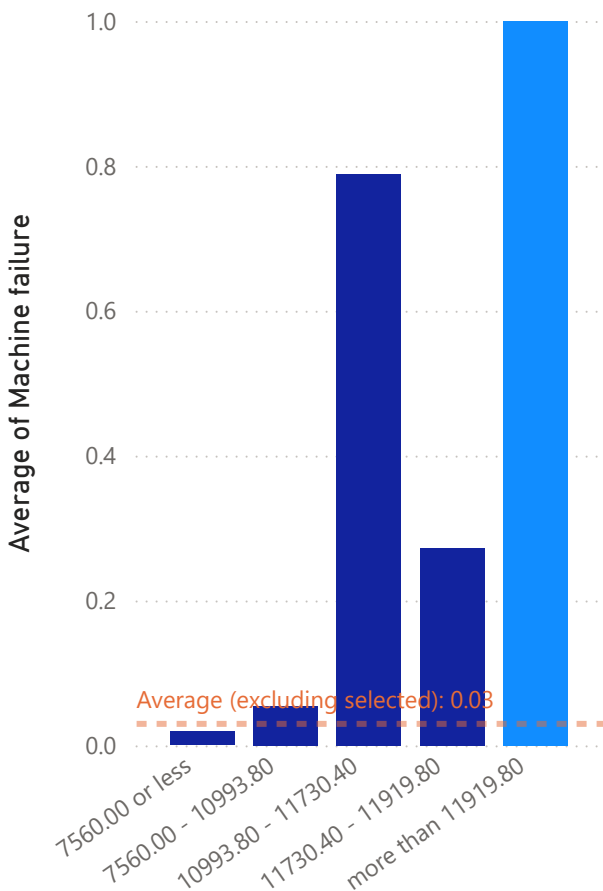
Average of Rotational speed [rpm] is 1381 or less

0.15

Average of Torque [Nm] is 53.5 - 64.9

0.13

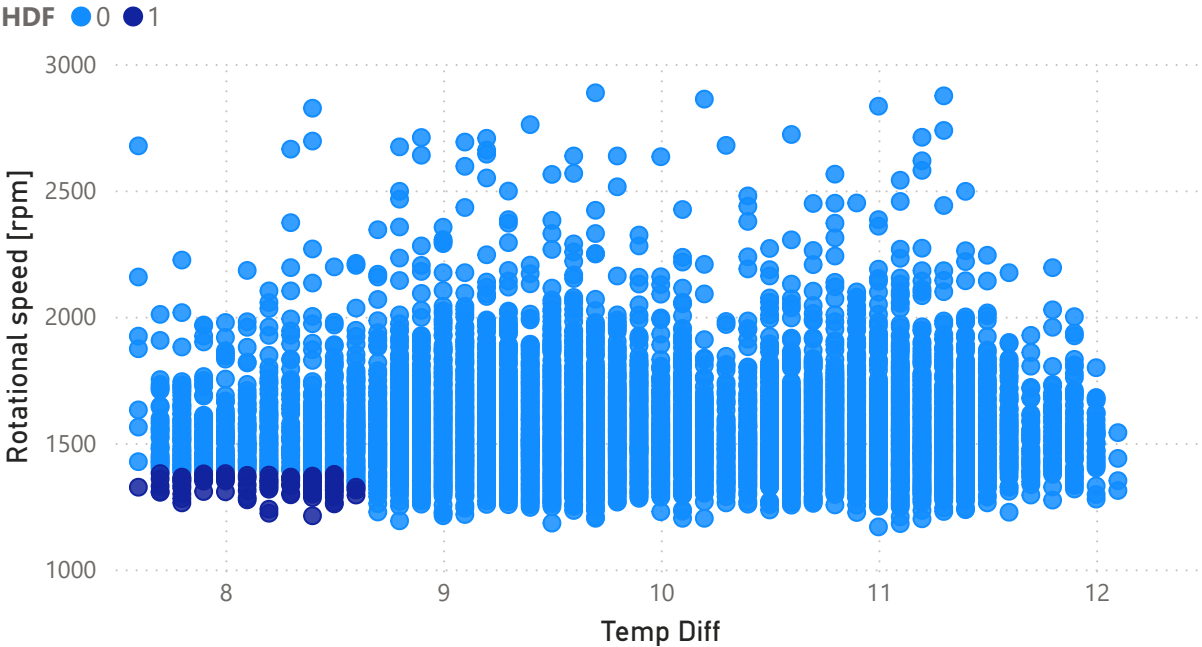
← Machine failure is more likely to increase when Tool Wear x Torque (min nM) is more than 11919.80 than otherwise (on average).



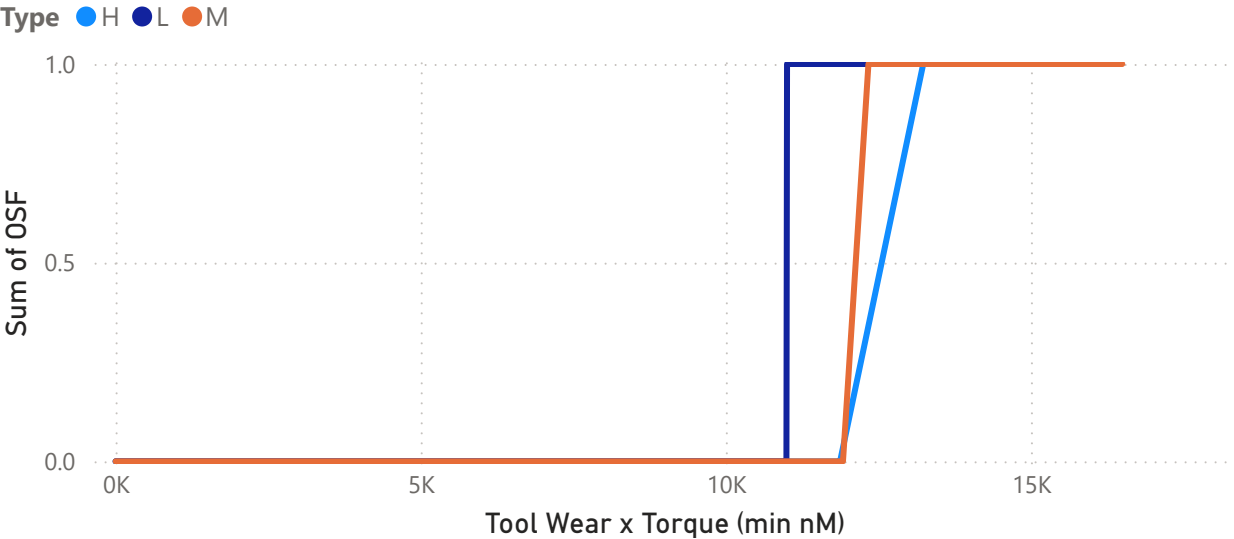
Tool Wear x Torque (min nM) (bins)

☐ Only show values that are influencers

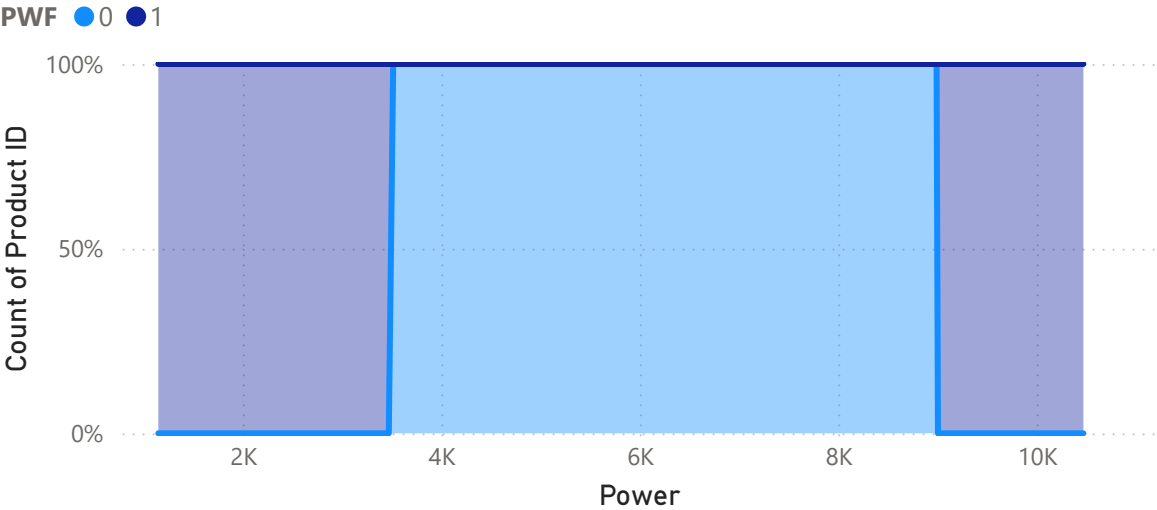
HDF Distribtuon as per Temp Diff and Rotational speed [rpm]



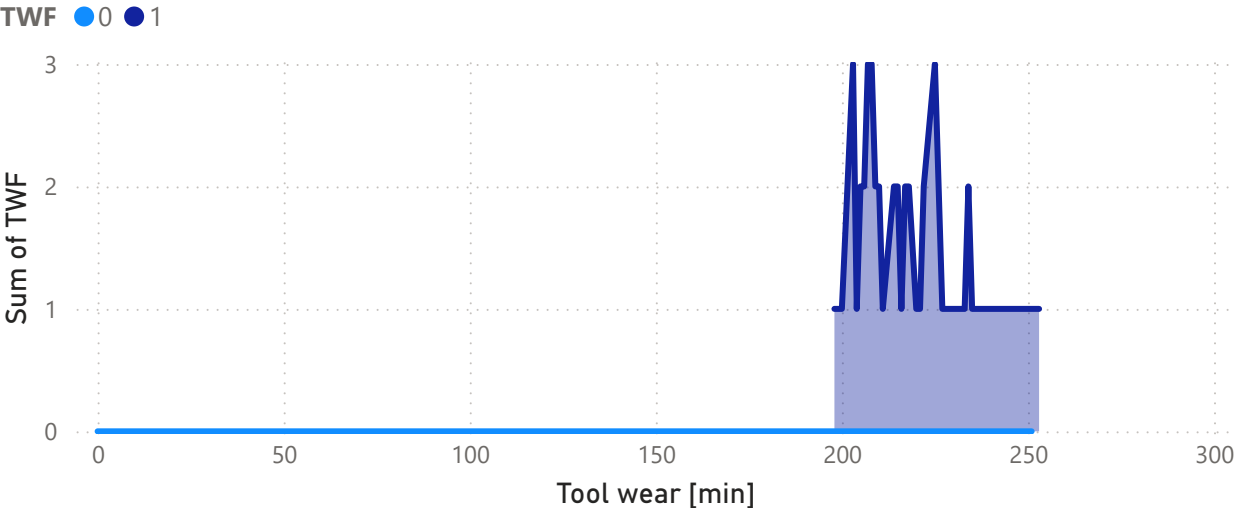
OSF distribution against Tool Wear x Torque (min nM)



PWF Distribution against Power (W)



Sum of TWF by Tool wear [min] and TWF



Tree Map for Failure Type Distribution

