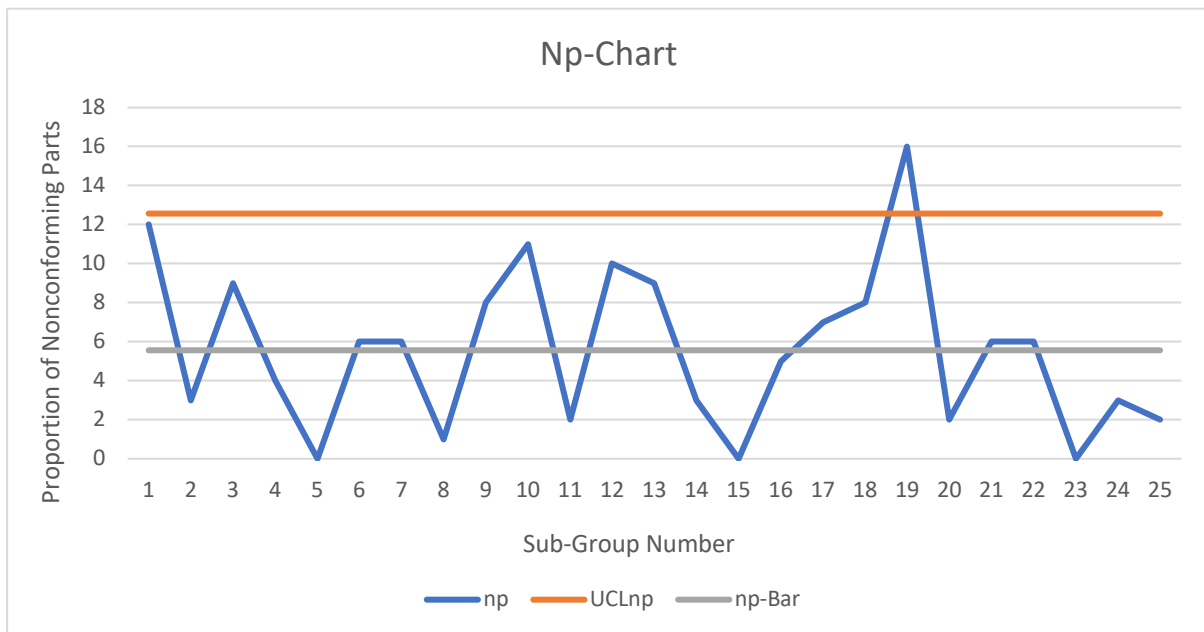
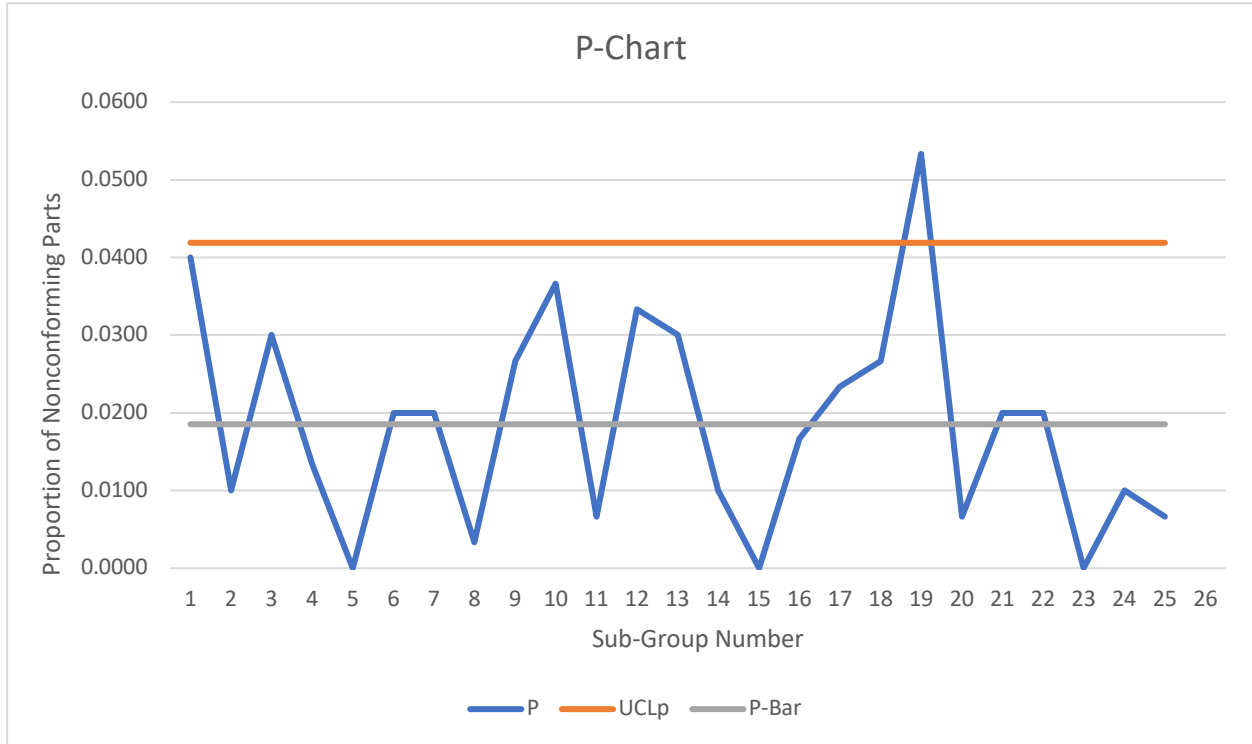
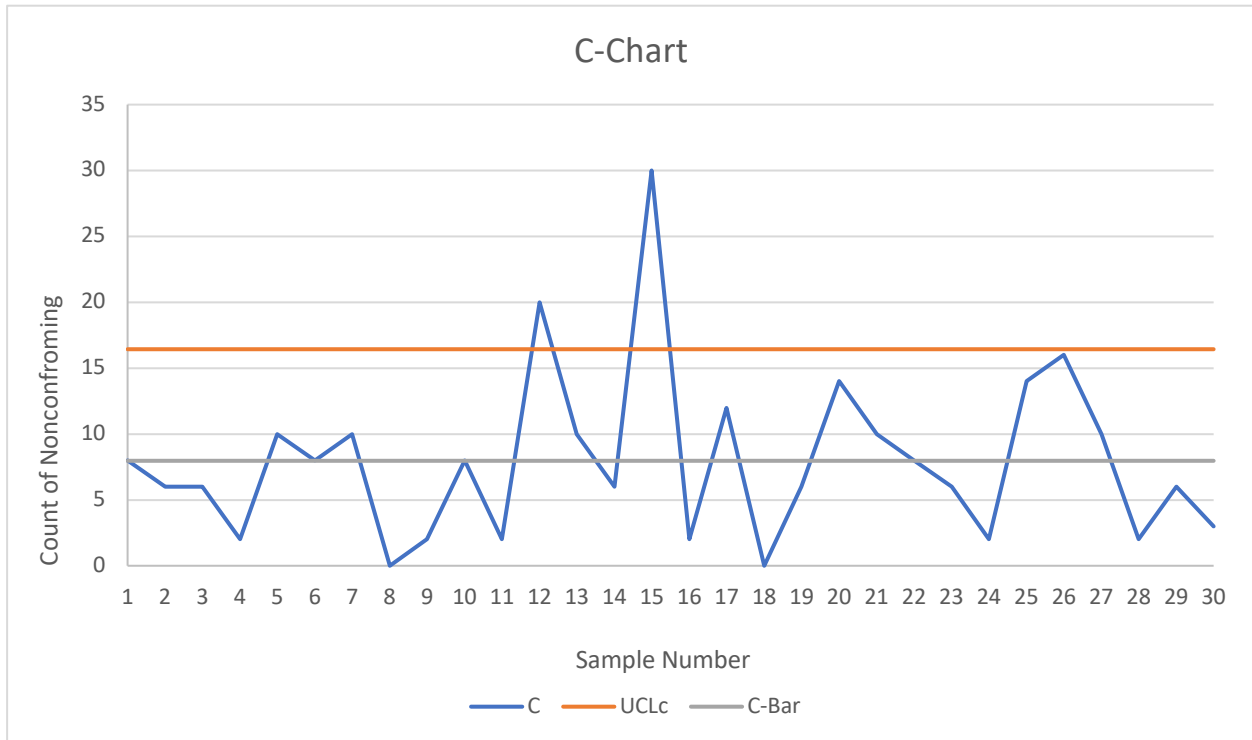


Quality Engineering Report II

Process Control Charts:



The above two charts are examples of process control charts. The P-Chart is used to show the proportion of nonconformities and it also shows the upper control limit of p , shown in orange, as well as the P -Bar line, shown in grey. The np chart shows the number of nonconformities for each subgroup, while also showing the upper control limit of np in orange, and the np -Bar is shown in grey. The two charts are nearly identical to each other. Both groups show in subgroup 19 that it is outside of the control limit.



The above C-Chart is used to show the count of nonconformities per part, rather than the subgroup like the p and np charts show. The upper control limit is defined by the orange line, whereas the C -bar is defined by the grey line. In this chart, it can be seen that sample numbers 12 and 15 are not within the control limits.