

# Real-Time Analytics for Plant Operational Process

CTRL + CLICK on the buttons  
for more comparisons

Default View

View Team Comparison

View Line Comparison

## Select Team

- ☐ Select all
- ☐ 1
- ☐ 2
- ☐ 3

## Filtering By :

### Production Date

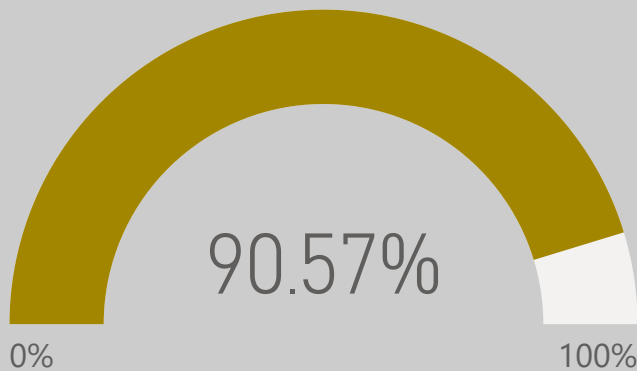
18/6/2018

22/6/2018

## Product ...

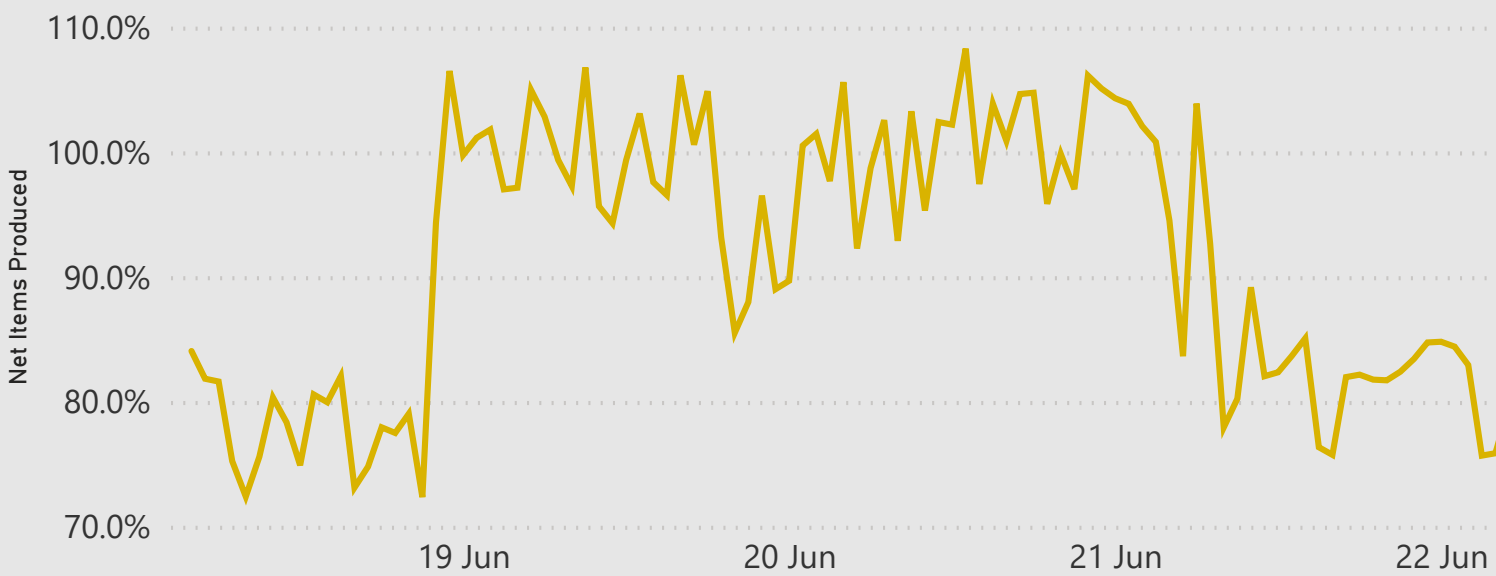
- ☐ Select all
- ☐ 1
- ☐ 2
- ☐ 3

## Machine Utilization KPI

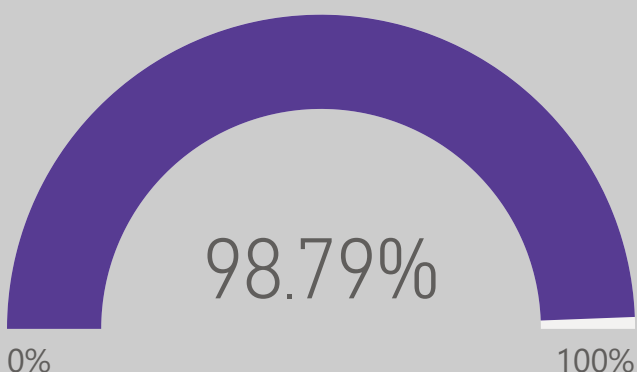


CTRL + CLICK HERE for Machine  
Utilization chart after data cleaning

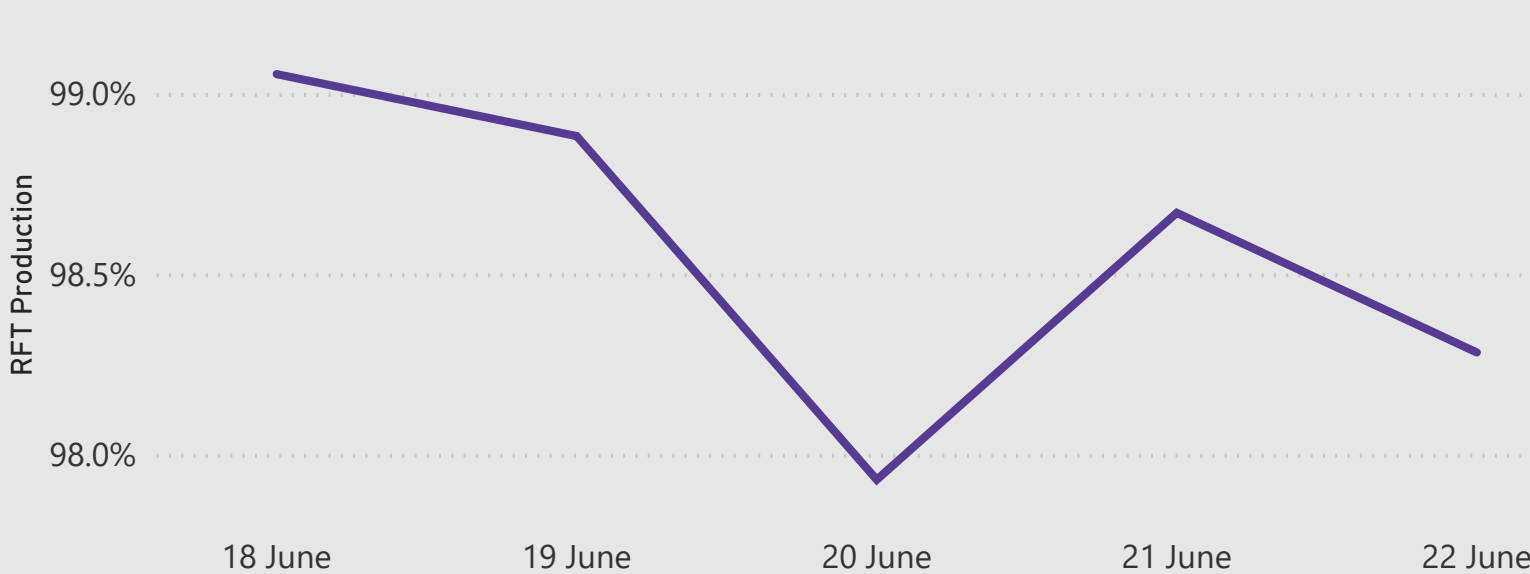
## Net Items Produced as % of Theoretical Production Capacity



## Right First Time KPI



## Right-the-First-Time (RFT) Production as % of Total Production



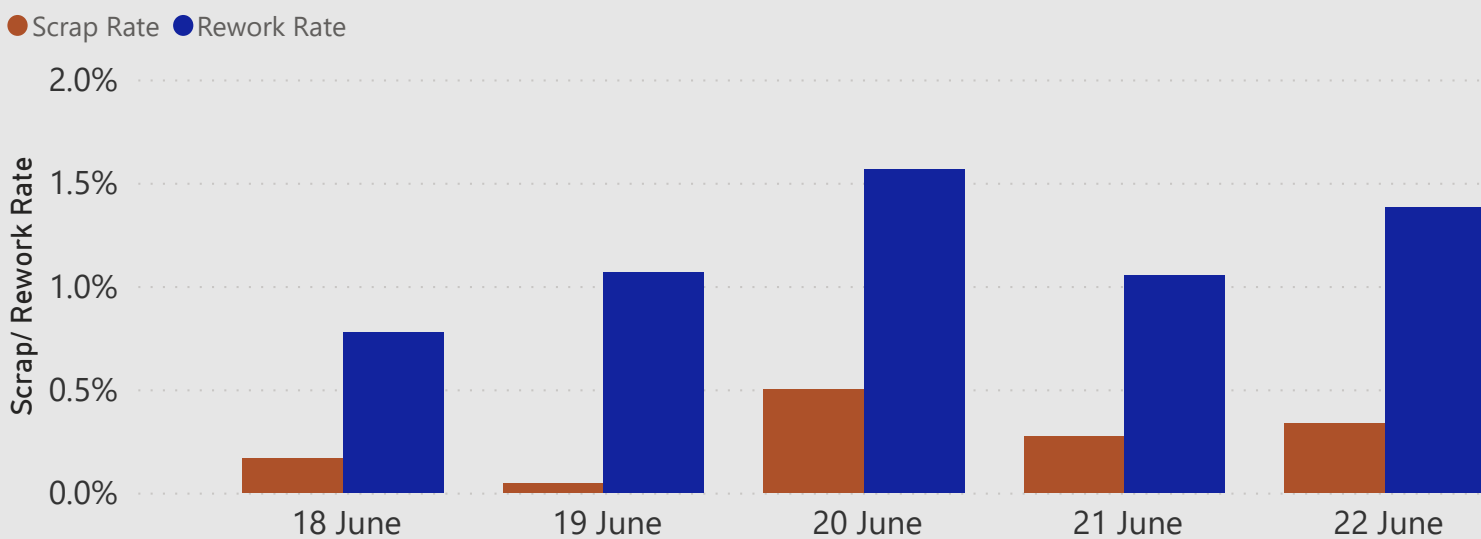
## Scrap Rate

0.22%

## Rework Rate

0.99%

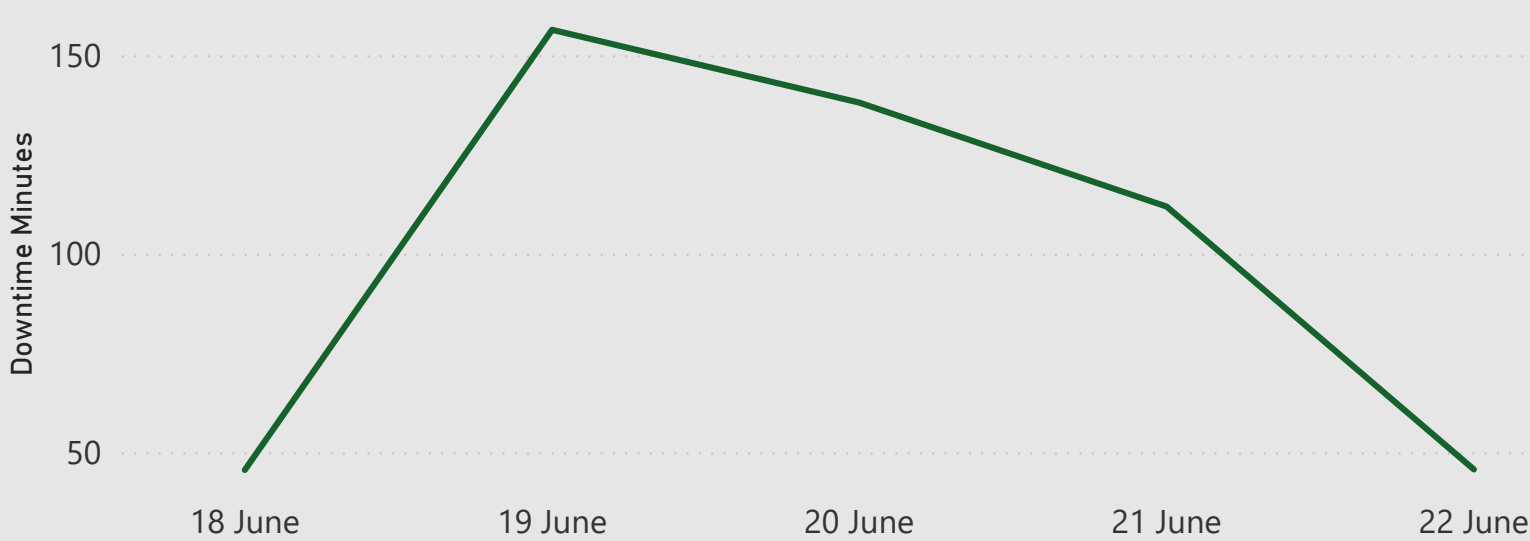
## Scrap & Rework Items Produced as % of Total Production



## Downtime Minutes

498

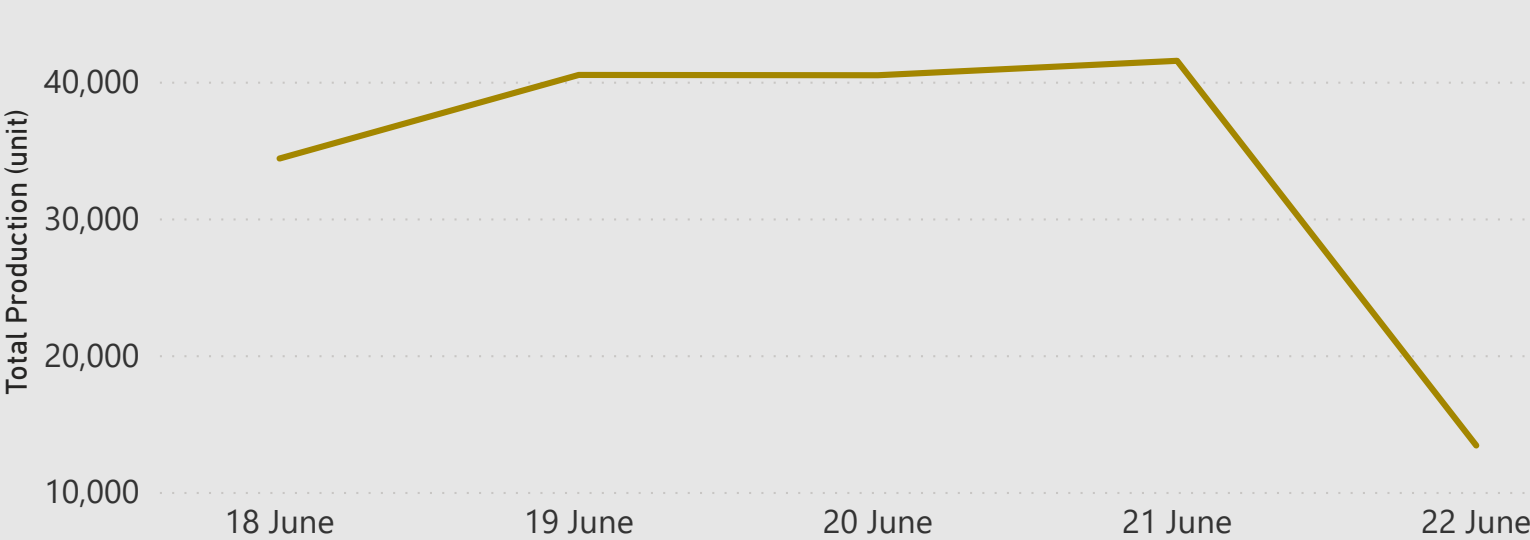
## Length of Downtime (Minutes)



## Volume of Pieces Produced

170,265

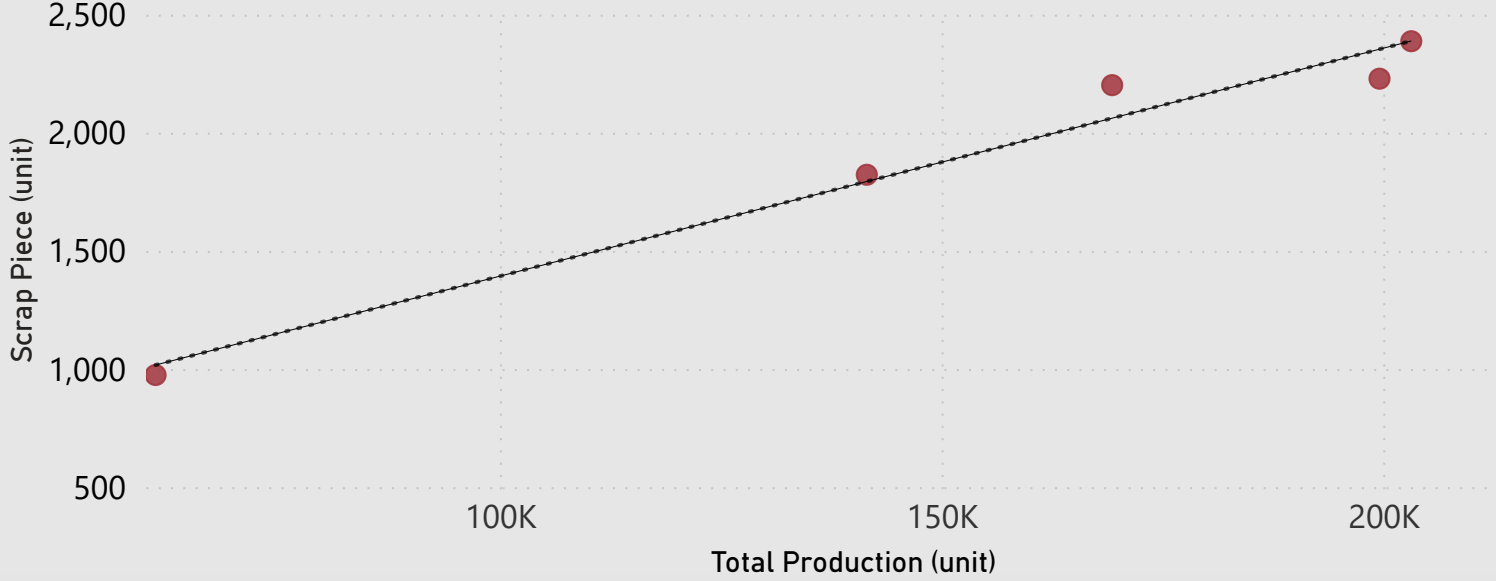
## Production Pieces Produced



## Total Production & Scrap Correlation

0.99

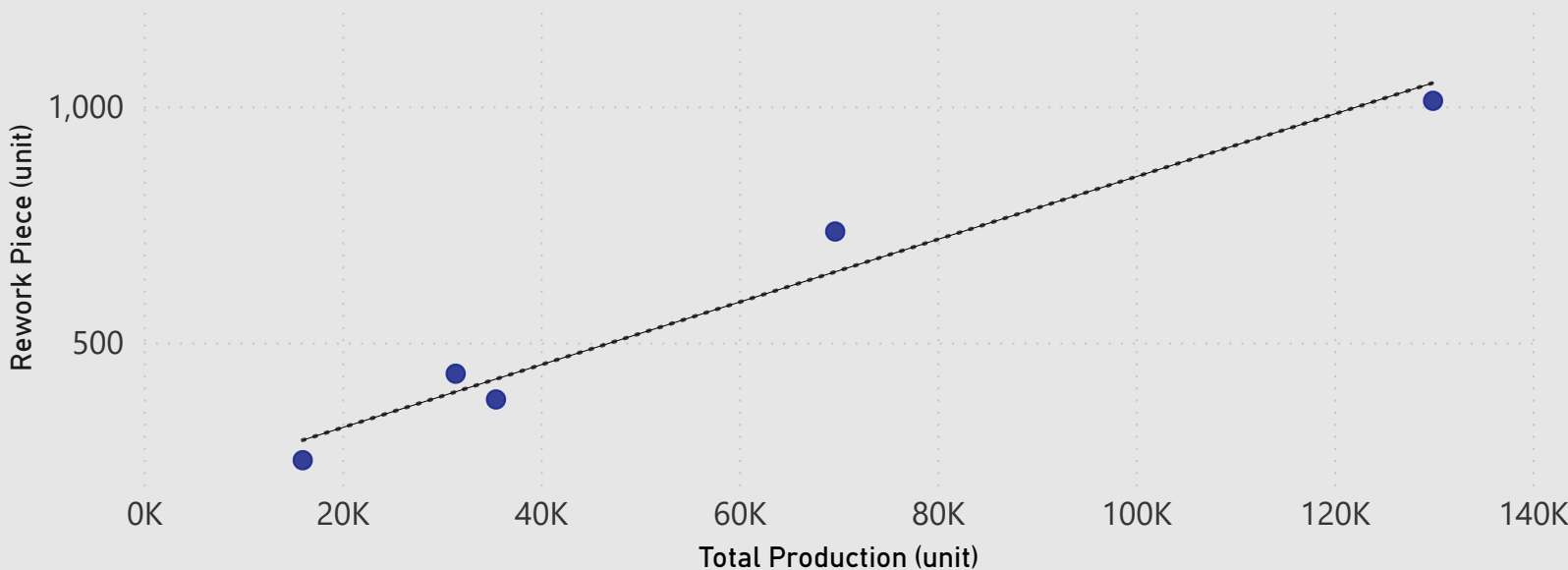
## Correlation between Total Items Produced and Scrapped Items



## Rework & Total Production Correlation

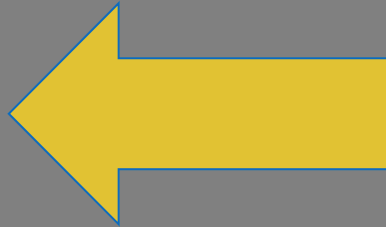
0.98

## Correlation between Total Items Produced and Reworked Items



# Real-Time Analytics for Plant Operational Process

Back to Main Page



Select Te... ▼

- ☐ Select all
- ☐ 1
- ☐ 2
- ☐ 3

Filtering By :

Production Date ▼

18/6/2018

22/6/2018



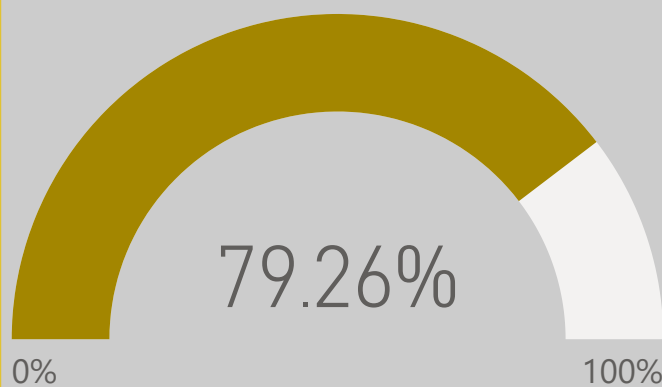
Product ... ▼

- ☐ Select all
- ☐ 1
- ☐ 2
- ☐ 3

The graph on the main page shows some of the data points of the machine utilization to be over 100%. This is because some rows of data with production values do not contain any corresponding theoretical production values.

This can be addressed by assuming that in most cases, the same team and production line will have identical maximum theoretical production value within similar time frame. Hence, the following machine utilization chart incorporates this assumption.

Machine Utilization KPI



Net Items Produced as % of Theoretical Production Capacity

