

# Equipment Operations Reporting

Design

Equipment >

Operations ▼

Stellar

Equipment

Dashboard Trends Work Order Detail Peer Report

Integrator  
Select Integrator ▼

Date  
2/24/2022 3/23/2022

Stellar Created  
Yes ▼

Product Group Name  
All ▼

Product  
All ▼

## Reports

Toggle between report pages depending on the specific information you are looking to review.

- [Dashboard](#)
  - Overview of saw production data.
- [Trends](#)
  - Weekly/monthly/yearly graphical data.
- [Work Order Detail](#)
  - Listing of batches produced with corresponding production data.
- [Peer Report](#)
  - Compare your footage, production rate, drops, and waste to others in your peer group – based on the type of saw line you have.

# Equipment Reporting

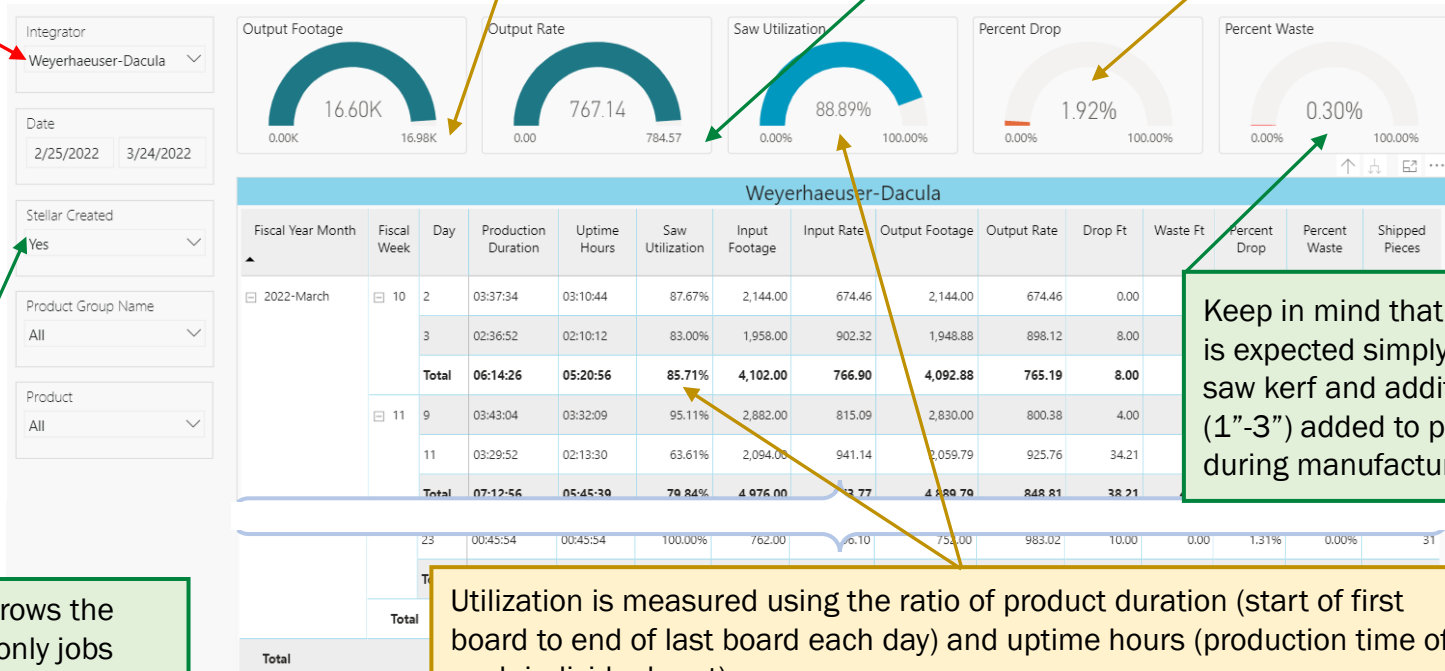
## Dashboard

In order to view data, you will first need to set the Integrator filter to match a specific NextPhase® site.

This number refers to the TLF of product brought to the Infeed. Your Output Footage will always be lower, but the goal is to be as close to this number (input footage) as possible.

This number refers to the rate of product introduced to the saw infeed. Your Output Rate will most likely be slower, but it should be as close to this number as possible.

Though the product is still being sold, a larger number of drops means that more pieces will need to be handled twice.



This narrows the data to only jobs originally created in Stellar® – it can be used for comparison with data in the Stellar® reports tab.

Utilization is measured using the ratio of product duration (start of first board to end of last board each day) and uptime hours (production time of each individual part).

Given standard breaks throughout the day, overall demand, as well as configuration of equipment/yard and the potential bottleneck of movement, a sustained utilization of greater than 80% may not be possible.

Keep in mind that some waste is expected simply because of saw kerf and additional length (1"-3") added to product during manufacturing.

# Equipment Reporting (cont'd)

## Trends

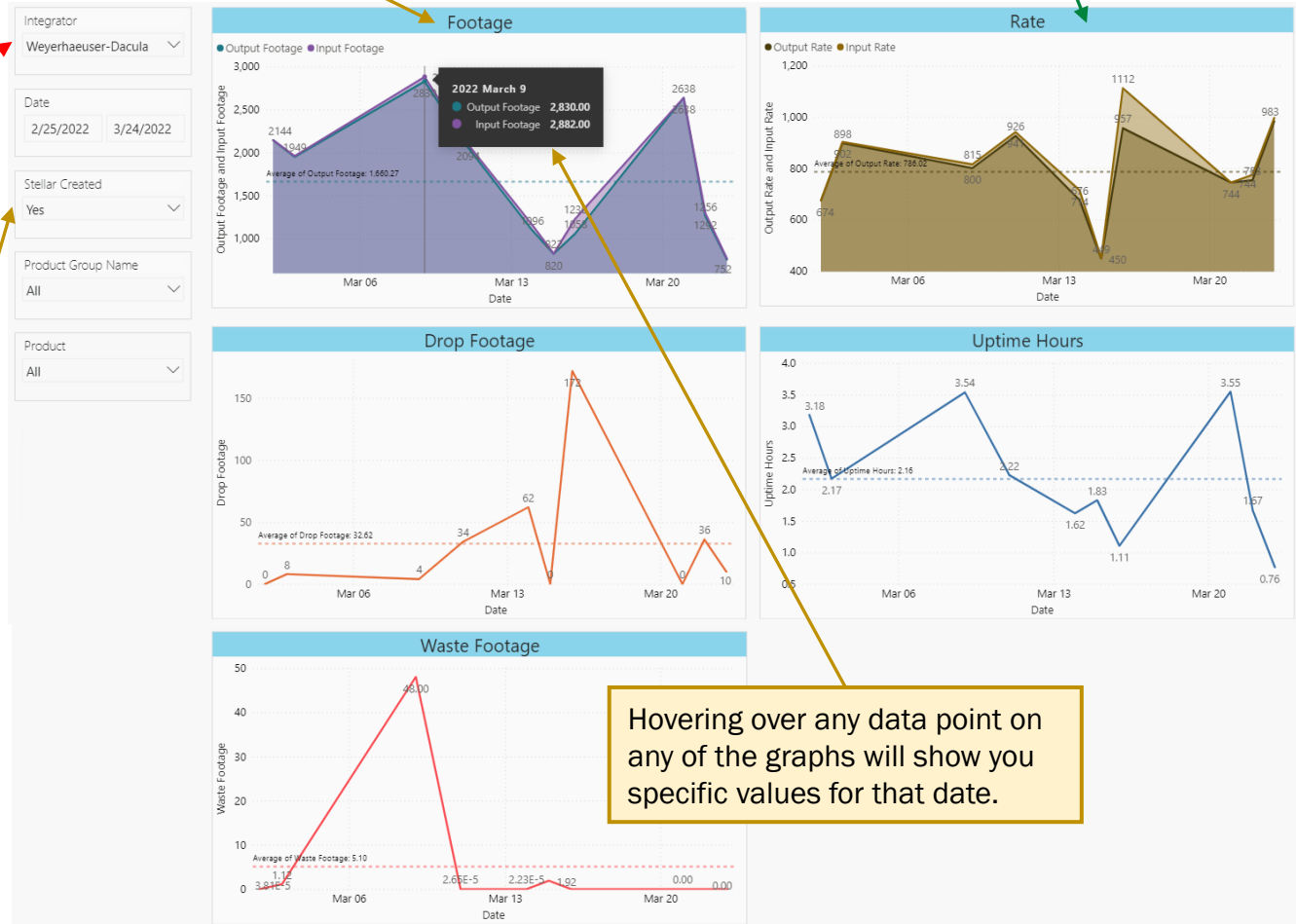
**Rate** refers to the speed at which boards are being processed through the saw.

Output and Input Rates should be similar and are often based on equipment, process, and cutting operations.

This is the volume of input and output on the saw. Your input and output footages should be similar.

In order to view data, you will first need to set the Integrator filter to match a specific NextPhase® site.

This narrows the data to only jobs originally created in Stellar® – it can be used for comparison with data in the Stellar® reports tab.



Hovering over any data point on any of the graphs will show you specific values for that date.

# Equipment Reporting (cont'd)

## Work Order Detail

Large gaps in production, late start times, and early end times should be investigated for possible efficiency improvement.

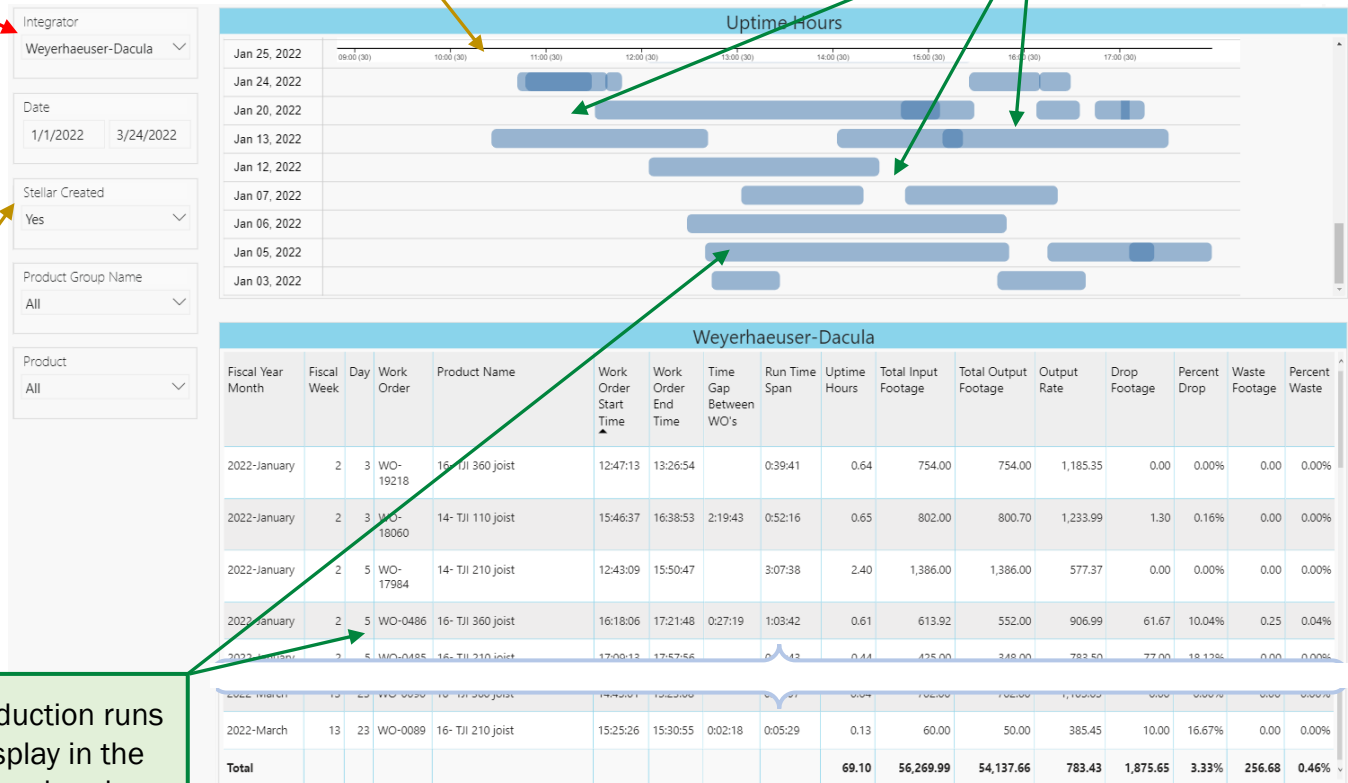
These gaps can also be due to lunch breaks, mechanical repairs, or lack of customer demand.

In order to view data, you will first need to set the Integrator filter to match a specific NextPhase® site.

Uses a 24-hour time format

This narrows the data to only jobs originally created in Stellar® – it can be used for comparison with data in the Stellar® reports tab.

Selecting one of the production runs above will narrow the display in the table below to only that work order.



# Equipment Reporting (cont'd)

## Peer Report

Use the dropdown to select date range – options range from a single day to multiple years.

For NextPhase Footage Processed and Production Rate, the higher your footage/rate, the better.

This data is a comparison between your actual footage/rate against others of the same NextPhase Integrator Type (EasyPack, EntryMax, CrewMax, VolumeMax).



In order to view data, you will first need to set the Integrator filter to match a specific NextPhase® site.

Hovering over any data point on any of the graphs will show you specific values for that date.

This indicates the type of infeed, outfeed, and saw equipment you have.

This data is a comparison between your actual percentages against all other NextPhase® sites.

For **Waste Percentage**, the lower your percentage, the better.

Remaining around 0.5% waste is preferred but sustaining anything under 0.1% for an annual cycle is unlikely.



# Equipment Reporting Glossary of Terms

- **Day** – (1) Actual Calendar Day
- **Drop** – Remaining material from cutting operations that go back into inventory for use in future batches
- **Drop Footage** – Sum of drop footage
- **Fiscal Week** – Current Week Number (weeks often have days from different months)
- **Fiscal Year Month** – Julian Calendar (Year-Month)
- **Output Rate** –  $Total\ Output\ Footage / Uptime\ Hours$
- **Percent Drop** –  $Drop\ Footage / Input\ Footage$
- **Percent Waste** –  $Waste\ footage / Input\ Footage$
- **Production Duration** – amount of time between the first and last cuts made each day
- **Run Time Span** – amount of time between the first and last cuts made for each *Work Order*
- **Saw Utilization** –  $Uptime\ Hours / Production\ Duration$
- **Time Gap Between WO's** – amount of time between the first cut of current the current *Work Order* and the last cut of previous *Work Order*
- **Total Input Footage** – Sum of footage pulled from inventory for the saw infeed (before cutting)
- **Total Output Footage** – sum of footage cut from *Total Input Footage* to be shipped to jobsites =  $Total\ Input\ Footage - (Drop\ Footage + Waste\ Footage)$
- **Uptime Hours** – *Run Time Span* less any pauses in cutting of each *Work Order* greater than ten seconds
- **Waste Footage** –  $Total\ Input\ Footage - (Total\ Output\ Footage + Drop\ Footage)$
- **Work Order** – identifier for tracking a group of cutting instructions generated by Stellar® software for each material in a production run (batch)
- **Work Order Start Time** – time first cut was made for each *Work Order*
- **Work Order End Time** – time last cut was made for each *Work Order*