OEE Studio v5 Calculating Duration MIN-MAX-AVG

This Tool-Tip will guide you through the process of creating the MIN-MAX-AVG Duration of Events in OEE Studio.

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Tool-Tip – Min-Max-AVG

We now have a new Result Type for Custom Defined Fields

• This provides the ability to format the Duration field as HH:MM:SS

Result Type	Realeza	O String
	Doolean	U Sung
	 Date and Time 	 Currency
	 Date Only 	Custom Date Interval
	 Decimal 	Ouration
	 Integer 	

Duration Rea	son MIN MAX AVG	Drop Column Fields Here					
		Grand Total					
Device û	Reason 0	Duration 🛛 👗	Reason Count	MIN	MAX	AVG	
 Bartelt5 	Cartoner Downtime	09h 53m 38s	57	00h 00m 00s	01h00m14s	00h 10m 25s	
	Pouching Knifes	05h 56m 33s	24	00h 03m 07s	01h 29m 09s	00h 14m 51s	
	Repack	04h 50m 07s	21	00h 00m 00s	00h 58m 51s	00h 13m 49s	
Bartelt5 Total		20h 40m 18s	102	00h 00m 00s	01h 29m 09s	00h 12m 10s	

Availability m	
Analysis	1. Select Availability - Tabular Analysis
Graphical Analysis	
Tabular Analysis	
E Loss Events	Date Bange
Shifts	From 1/17/2019
Parts	
State Comparison	10 1/31/2019 ≥ 6:30 PM ≥ 2. Select th
	Preset Dates Prev/Next
	Choose Preset

Creating the Report

The process is the same whether you select

Availability - Tabular Analysis or

Availability - Loss Events – Shift or Loss Events – Parts.

2. Select the Date Range



4. Click Apply/Refresh to view your data. >>>

			Grand Total		
Û	St û	Loss Reason û	Duration (Sum)	Reason Count	
t5 😑 Down	- Down	Butler Downtime	03h 06m 34s	31	
	Carton Checkweigher Down	00h 06m 40s	2		
		Cartoner Downtime	09h 53m 38s	57	
		Combi Scales / Conveyor	00h 10m 42s	3	
		Conditioner Downtime	00h 56m 07s	13	
		Feeding System Downtime	04h 09m 22s	43	
		Late Downtime	00h 02m 48s	5	
		Material Not Available	02h 37m 30s	12	
		None	02h 10m 38s	40	
		Pickoff Assembly	00h 06m 47s	2	
		Pouch Checkweigher Down	00h 31m 59s	6	
		Pouching Fill Heads	00h 57m 39s	7	
		Pouching Knifes	05h 56m 33s	24	
		Pouching Machine Down	02h 36m 25s	27	
		Pouching Seal Bars	02h 33m 18s	21	
		Repack	04h 50m 07s	21	
		Rework	04h 27m 00s	20	
		X-ray Downtime	00h 33m 37s	7	
	Down Total		45h 47m 24s	341	
t6	Down	Butler Downtime	01h 20m 49s	19	
		Carton Checkweigher Down	00h 03m 26s	1	
		Cartoner Downtime	11h 36m 25s	101	







votGrid Field List		
		88
End Time	Drag fields between areas below: Y Filter Area	
ead	Enterprise	
	Location	
Deerator 1	Туре	
) Operator 2		
L 1 good		
/L 1 Reject	Row Area	
'L 2 Good	State	
L 2 Reject	Loss Reason	
itart Time		
Jser No. 5		
Jser No. 6	Column Area	
Jser No. 8		
	∑ Data Area	
	Duration (Sum)	^
	Reason Count	
	MIN	
	MAX	
	AVG	~
	Defer Layout Update	Update

Completing the Report

The new fields appear in the Data Area.

Enterprise Location Type							
Durati	Reaso	MIN MAX AVG	Drop Column Fields Here				
			Grand Total				
De û	State û	Loss Reason û	Duration (Sum)	Reason Count	MIN	MAX	AVG
_ Line 5 _ Down	- Down	Butler Downtime	03h 06m 34s	31	00h 00m 00s	00h 13m 16s	00h 06m 01s
		Carton Checkweigher Down	00h 06m 40s	2	00h 03m 10s	00h 03m 30s	00h 03m 20s
		Cartoner Downtime	09h 53m 38s	57	00h 00m 00s	01h 00m 14s	00h 10m 25s
		Combi Scales / Conveyor	00h 10m 42s	3	00h 03m 04s	00h 04m 04s	00h 03m 34s
		Conditioner Downtime	00h 56m 07s	13	00h 03m 08s	00h 07m 09s	00h 04m 19s
		Feeding System Downtime	04h 09m 22s	43	00h 00m 00s	00h 27m 04s	00h 05m 48s
		Late Downtime	00h 02m 48s	5	00h 00m 01s	00h 01m 04s	00h 00m 34s
		Material Not Available	02h 37m 30s	12	00h 00m 12s	01h 20m 34s	00h 13m 08s
	None	02h 10m 38s	40	00h 00m 00s	00h 21m 39s	00h 03m 16s	
		Pickoff Assembly	00h 06m 47s	2	00h 03m 07s	00h 03m 40s	00h 03m 24s
		Pouch Checkweigher Down	00h 31m 59s	6	00h 03m 11s	00h 12m 04s	00h 05m 20s
		Pouching Fill Heads	00h 57m 39s	7	00h 02m 40s	00h 29m 06s	00h 08m 14s
		Pouching Knifes	05h 56m 33s	24	00h 03m 07s	01h 29m 09s	00h 14m 51s
		Pouching Machine Down	02h 36m 25s	27	00h 00m 00s	00h 17m 36s	00h 05m 48s
		Pouching Seal Bars	02h 33m 18s	21	00h 03m 05s	00h 40m 34s	00h 07m 18s
		Repack	04h 50m 07s	21	00h 00m 00s	00h 58m 51s	00h 13m 49s
		Rework	04h 27m 00s	20	00h 00m 00s	00h 37m 08s	00h 13m 21s
		X-ray Downtime	00h 33m 37s	7	00h 03m 08s	00h 07m 20s	00h 04m 48s
	Down Total		45h 47m 24s	341	00h 00m 00s	01h 29m 09s	00h 08m 03s

Graphing the Report

Click on the MIN, MAX and AVG column headings to automatically graph the results.

