Productivity and Downtime Data of a Soda Manufacturing Line

Production Output:

38 Batches

Operator Efficiency:

Operators Efficiency rate is 64% with Charlie having the highest and Mac as the lowest rate.

Manufacturing Time Analysis:

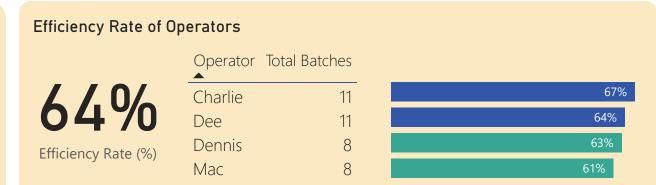
All products shows inefficiency with CO-2L and OR-600 having the large gaps.

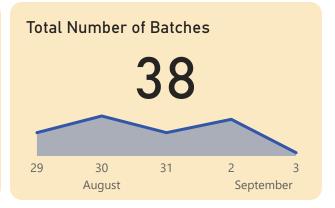
Operator Error vs Machine Error:

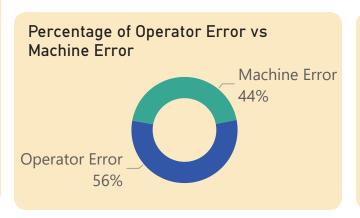
Operator Error is slightly more suggesting improvement through trainings.

Downtime Analysis:

Total downtime of 1,388 minutes with Machine Adjustment and Inventory Shortage being the top issues.









Breakdown of Downtime Factors Experienced by Operators

Operator	Batch change	Batch coding error	Calibration error	Conveyor belt jam	Inventory shortage	Label switch	Labeling error	Machine adjustment	Machine failure	Other	Product spill	Total
Charlie	10	44	24		17	10	22	118	85	32	22	384
Dee	20	30	25	17	85	23	20	79	36	20	15	370
Dennis		24			43			120	88	7	20	302
Mac	130	47			80			15	45	15		332
Total	160	145	49	17	225	33	42	332	254	74	57	1388