Production Quality Monitoring with Microsoft Data Solutions

Quarter — All

Month — All

Day — All

Plot trends over time for% Iron Concentrate and % Iron Feed

Sum of % Iron Concentrate — % Iron Feed

Plot trends over time for Silica Concentrate and % Silica Feed

Sum of % Silica Concentrate — % Silica Feed

Compare the levels in different flotation columns.

- Sum of Flotation Column 01 Level
- Sum of Flotation Column 02 Le...
- Sum of Flotation Column Colum...
- Sum of Flotation Column 0...
- Sum of Flotation Column 0...
- Sum of Flotation Colu...
- Sum of Flotation Col...
- Sum of Flotation ...

Sum of Flotation Column 01 Level, Su...

Month

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Feed Composition: Iron vs. Silica

- Sum of % Silica Feed
- Sum of % Iron Feed

41.45M (79.35%)
10.79M (20.65%)

Concentrate Distribution: Iron and Silica

- Sum of % Silica …
- Sum of % Iron C…

47.89M (96.55%)
1.71M (3.45%)

Quarter — All
Month — All
Day — All

Compare and monitor air flow rates in different flotation columns over time

Legend:
- Sum of Flotation Column 01 Air Flow
- Sum of Flotation Column 02 …
- Sum of Flotation Column 03 …
- Sum of Flotation Colu…
- Sum of Flotation Colu…
- Sum of Flotation Col…
- Sum of Flotation …

X-axis (Month): March, April, May, June, July, August, September

Y-axis (Sum of Flotation Column 01 …): 0.0bn, 0.1bn, 0.2bn, 0.3bn

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Quarter All

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show the cumulative effect of sequential values or the variance in flows over time

● Increase ● Decrease ● Total

Sum of Amina Flow

0.4bn
0.3bn
0.2bn
0.1bn
0.0bn

Qtr 1 · Qtr 2 · Qtr 3 · Total

date Quarter

visualize the changes in flow rates over time and compare them

● Sum of Amina Flow ● Sum of Starch Flow ● Sum of Ore Pulp Flow

Sum of Amina Flow, Sum...

1.0bn
0.5bn
0.0bn

Qtr 1 · Qtr 2 · Qtr 3

Quarter

visualize data changes over time and the ranking of categories over time

● Sum of Amina Flow ● Sum of Ore Pulp Flow ● Sum of Starch Flow

Sum of Amina Flow, Sum...

1.0bn
0.5bn
0.0bn

Qtr 1 · Qtr 2 · Qtr 3

Quarter