

JCB

Last Update: 23/09/2021 - 13:50:05

Backhoe Loader

IGM Main Frame 6

6

Running Time

00:00:00

2

Planned Stoppage

00:00:00

3

Unplanned Stoppage

00:00:00

4

Breakdown

00:00:00

5

Current Shift Performance

No Current Stoppages

100%

7

! RECORD STOPPAGE

10

Running Time

Planned Stoppage

Unplanned Stoppage

Breakdown

Count

1

0

7:00

8:00

9:00

10:00

11:00

12:00

13:00

14:00

15:00

16:00

17:00

18:00

19:00

8

#

Start Time

End Time

Total Time

Type

Reason

11

Current Shift (07:00 - 19:00)

9

JCB

DIGITAL FACTORY

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1 – Header

The business unit and asset that is being monitored.

2:5 – Current Shift Status Times

How long the asset has spent running (hh:mm:ss), as well as how long it has spent in planned stoppage, unplanned stoppage and breakdown state.

6 – Programming Mode

Place the machine in “programming mode”, disabling any LiveLink or stoppage/breakdown updates.

7 – Current Shift Performance

Percentage breakdown of running time, planned stoppage, unplanned stoppage and breakdown time.

8 – Current Shift Stoppages

Number of planned stoppages, unplanned stoppages and breakdowns by hour, for the current shift.

9 – Current Shift Time

The start and stop time for the current shift.

10 – Record Stoppage

Record a new planned stoppage, unplanned stoppage or breakdown for the current asset. This uses the options as shown on slide 3.

11 – Stoppage Log

Log of current shift stoppages including start time, end time, total time, stoppage type and reason.

LIVELINK EQUIPMENT MONITORING – RECORDING A STOPPAGE

Backhoe Loader
Cloos Side Member 1

Running Time
00:00:00

Planned Stoppage
00:00:00

Unplanned Stoppage
00:00:00

Breakdown
00:00:00

Current Shift Performance
100%

Count

6.00 7.00 8.00 9.00 10.00 11.00

Current Shift (06:30 - 11:30)

Record Stoppage

Please select the Stoppage Type
Breakdown 1

Please select the breakdown type from the dropdown
Gas Problems 2

Submit Cancel 3

Backhoe Loader
Cloos Side Member 1

Running Time
00:00:00

Planned Stoppage
00:00:00

Unplanned Stoppage
00:00:00

Breakdown
00:00:00

Current Shift Performance
100%

Count

6.00 7.00 8.00 9.00 10.00 11.00

Current Shift (06:30 - 11:30)

Stoppage Options

Select Action
End Stoppage 5

Submit Cancel

Total Stoppages (00:00:00)

STOPPAGE OPTIONS 4

1 09:16:12 - 00:00:00 Breakdown Other

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1 – Type

The type of the stoppage that is being recorded, from a planned stoppage (such as a Torch Check) to an unplanned stoppage (such as an Arc Fault), or a breakdown (such as Gas Problem or Power Cut).

2 – Reason

The specific reason for the planned stoppage, unplanned stoppage or breakdown.

3 – Submit / Cancel

Submit the stoppage or cancel.

4 – Stoppage Options

Once a stoppage has been raised it can be ended or updated by clicking on the “Stoppage Options” button.

5 – Stoppage Action

End or update the stoppage.

LIVELINK EQUIPMENT MONITORING – BUSINESS UNIT OVERVIEW

JCB

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11

10

Backhoe Loader

Equipment Status

1

Welding Robots

0% (0%)

2

Laser Cutters

0% (0%)

3

Plasma Cutters

0% (0%)

4

5 Bay

0% (0%)

IGM B42

5 Bay

0% (0%)

IGM B43

5 Bay

0% (0%)

IGM B44

5 Bay

0% (0%)

Cloos A1

5 Bay

0% (0%)

Cloos A2

5 Bay

0% (0%)

Cloos A3

7 Bay

0% (0%)

IGM MF6

7 Bay

0% (0%)

Cloos SM1

7 Bay

0% (0%)

Cloos SM2

7 Bay

0% (0%)

Tower 1

7 Bay

0% (0%)

Tower 2

7 Bay

0% (0%)

IGM Cab

7 Bay

0% (0%)

Cloos Yoke

7 Bay

0% (0%)

Cloos Leg

7 Bay

0% (0%)

Cloos MF1

7 Bay

0% (0%)

Cloos MF2

7 Bay

0% (0%)

Cloos MF3

7 Bay

1:01:56

Cloos MF4

7 Bay

0% (0%)

IGM MF5

5

Fab Shop

0% (0%)

Trumpf 2

Fab Shop

0% (0%)

Trumpf 3

Fab Shop

0% (0%)

Trumpf 6

Fab Shop

0% (0%)

Oxy 1

Fab Shop

0% (0%)

Oxy 2

Fab Shop

0% (0%)

Oxy 3

Planned Stoppage

00:00:00

6

Unplanned Stoppage

00:00:00

7

Breakdown

01:05:17

8

9

LiveLink System Currently Under Maintenance - Please Check Back for Updates. Andon Functionality Available as Normal.

JCB DIGITAL FACTORY

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1 – Header

The business unit dashboard being viewed.

2:4 – Current Efficiency Values

An overall percentage for programming running time and touch time (in brackets) on the current day, across welding robots, laser cutters and plasma cutters.

5 – Asset Tiles

Each asset belonging to the business unit is represented as a tile with the area, name, programming running (%) and touch time (%), as well as the current status such as running, planned stoppage, unplanned stoppage or breakdown.

6:8 – Business Unit Status Times

The summary of time that the business unit has spent today with assets in either planned stoppage, unplanned stoppage or breakdown state.

9 – Status Ticker

When the system is running the status ticker will provide updates throughout the day in regards to the current business unit status.

10 – Shift Management

Create, edit and manage asset shifts across the business unit. This will require the username and password that has been allocated to the business unit champion.

11 – Machine Analysis

View data in regards to running time, stoppage time, stoppage reasons and other trends, by asset.

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10

12

Backhoe Loader 1

All Assets Last 14 Days

Running Time 2

1142:02:00

Planned Stoppage 3

02:52:00 (2)

Unplanned Stoppage 4

32:27:00 (13)

Breakdown 5

18:25:00 (11)

6

Stoppages

Running 40%

Unaccounted 58%

7

Top 10 All Stoppage Reasons

Operator absence	4426
Other	778
Axle Problems	449
Wire Feed Problems	360
Waiting Pre-Prepped Parts	243
Program Problems	96
Arc Fault	78

8

Operator absence Trend Analysis

17/9	64
20/9	3823
22/9	540

11

12

Running

Planned

Unplanned

Breakdown

Minutes

15/9

16/9

17/9

18/9

19/9

20/9

21/9

22/9

23/9

24/9

1 – Header

The business unit or machine asset being viewed. By default this will be all business unit assets over the last 14 days.

2:5 – Status Times and Quantities

The total amount of running time, planned stoppage time, unplanned stoppage time and breakdown time across the selected asset(s), including the quantity of stoppages and breakdowns.

6 – Time Allocation

Visual representation of running time, stoppage and breakdown time and unaccounted time across the selected asset(s).

7 – Stoppage Reasons

A top 10 summary of stoppage reasons across the selected asset(s), generated by the total number of minutes logged for each. By default this will show all stoppages; however, this can be changed to show planned stoppages, unplanned stoppages or breakdowns by clicking on the respective headers.

8 – Day-by-Day Time Log

A log of time spent in each status on a day-by-day schedule, by selected asset(s). This will show the last 14 days by default.

9 – Trend Analysis

The breakdown of minutes for the selected stoppage reason. This can be changed to show details regarding any of the reasons listed above.

10 – Options Menu

Select specific asset(s) as well as a time period to filter the machine analysis data

11 – Reset

Reset the machine analysis to all business unit assets over the last 14 days.

12 – Download CSV

Download the current on-screen data to a CSV file for more options within Microsoft Excel.