Feb 2026

WATS Feature Release Note
Unit flow (Preview)
Unit first seen & exclude processes improvements 26.1

Major Feature Areas

Overview

Unit Flow now supports tracing units starting from their first run or from when they were observed in the process. In addition, significant improvements have been made to performance, user interface, and functionality, including the ability to exclude processes for a clearer and more focused flow overview.

Filter- Units lookup

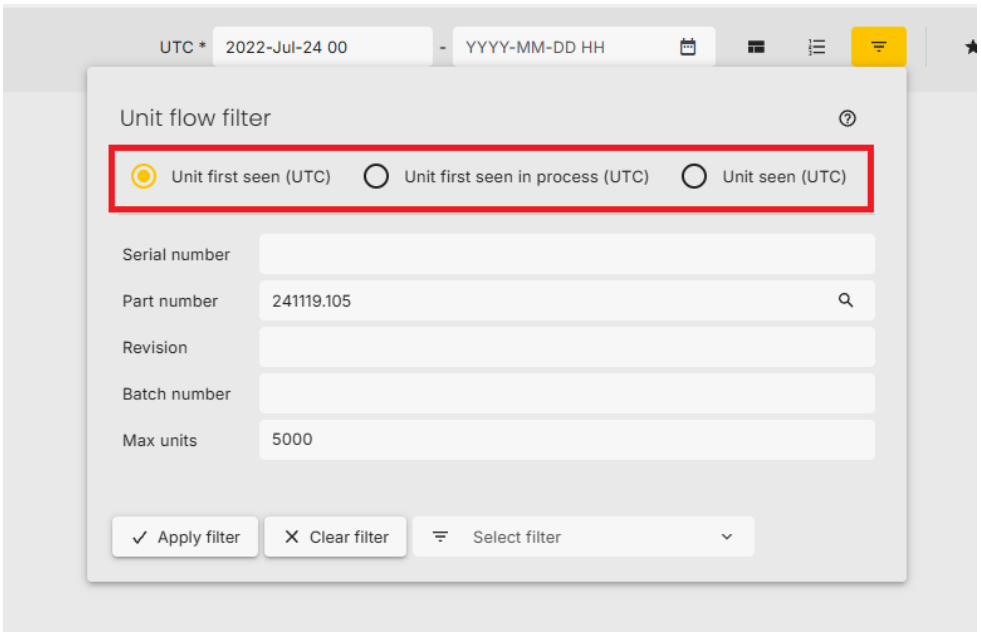
The Unit Flow filter supports three different ways of identifying units based on their first occurrence:

Unit first seen (UTC) - A unit is included only if its first ever occurrence falls within the selected filter date and time range.

Unit first seen in process (UTC) - A unit is included only if it's very first process entry occurs within the filter date and time range

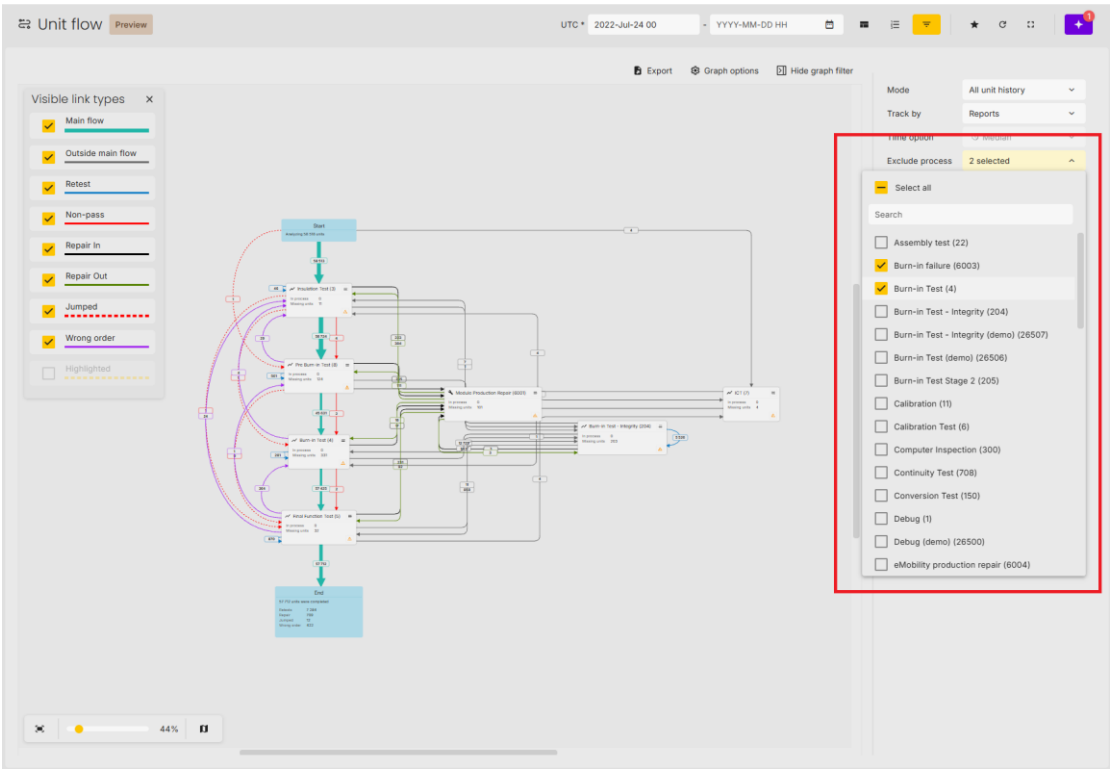
Unit seen (UTC) - A unit is included if it appears at least once within the filter date and time range, regardless of whether it was seen earlier or later. This reflects the previous Unit Flow behavior.

For more details, refer to the user manual or visit [WATS documentation - Unit lookup]



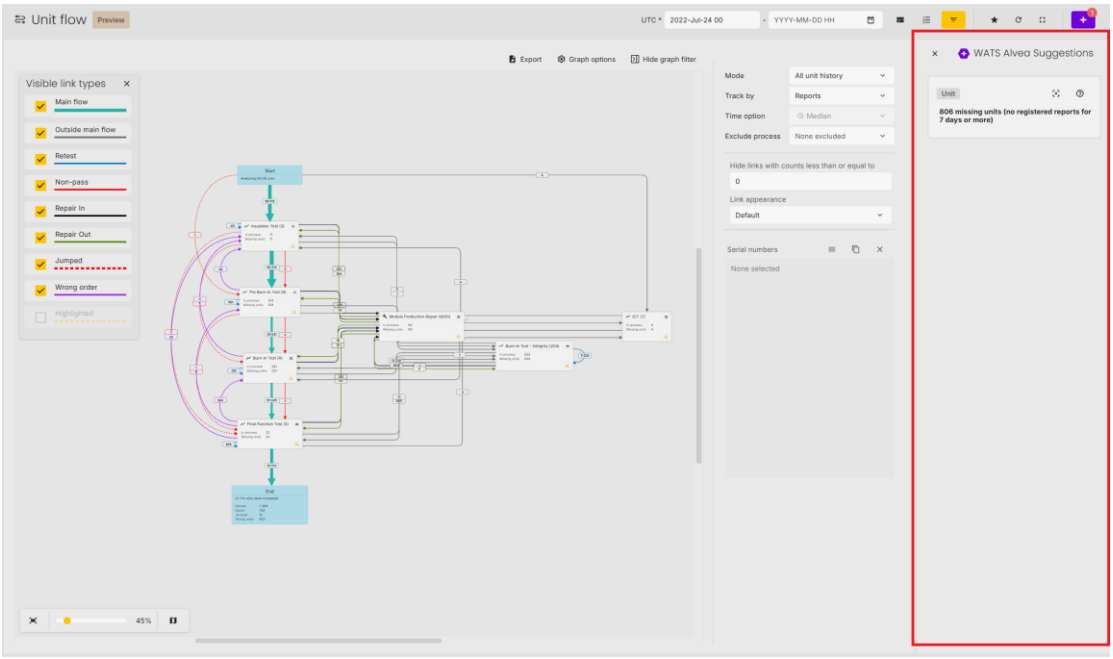
Exclude processes

Processes can now be excluded from the current flow, allowing unrelated processes to be hidden and providing a clearer, more focused overview of the production flow. Excluded processes from **Process Heatmap** are automatically carried over when drilling down into **Unit Flow**, ensuring a consistent analysis context.



Alvea suggestions

Alvea suggestions are now integrated into the Unit Flow module, helping identify units that have been missing for more than **7 days**. This provides actionable insights into where to focus investigation and improve flow efficiency.



Additional Unit Flow improvements

In addition to the major enhancements, several usability, visualization, and performance improvements have been made:

Improved visualization

- Better link alignment to reduce overlap and improve readability.
- Smoother graph zooming for an improved navigation experience.
- The graph filter can now collapse to provide more space for analysis.

Enhanced insights

- Added a tooltip on the **Start node** showing applied filters and the number of units included.
- Added a summary to the **End node**, providing an overview of completed units, including retests, repairs, jumps, and wrong-order flows.
- Improved repair links to remain visible as repair links when they are part of the main flow.

Expanded process and station views

- Station views now support **time mode**, displaying time spent per station.
- **Link appearance** is now supported in both process and station views, with two options:
    - **Default**: Highlights the top three highest-volume links across the entire flow.
    - **All**: Highlights the top three highest-volume links per link type (e.g. retest, jumped, wrong order).

Improved naming and filtering

- Modes have been renamed for clarity:
  - *Historical* to **All Unit History**
  - *Current* to **Current Unit Location**
- Filters have been simplified:
  - Removed *Test Operations* and *Run* from filters.
  - *Max Results* renamed to **Max Units**.
  - "Hide links with counts less than or equal to" moved into the graph filter.

Improved Navigation

- Added support for opening **selected serial numbers** or **all visible serial numbers** directly in *Serial Number History*.
- Removed redundant node and link menu options where equivalent functionality is available in the graph filter.

Performance Improvements

- Significant performance optimizations have been made to better handle **large and complex datasets**, improving stability when working with larger flows.
  Further improvements are ongoing.