CASE STUDY: OFIs Reduced Labor Hours and Expenses by 40%

ISS approaches every project ready to review the entire workflow, identify opportunities for improvement, and implement efficiencies that reduce labor, time, and cost.

SITUATION:

ISS was brought in to perform visual inspection and rework parts as necessary. The steps included: Confirm each part number, record data for traceability, inspect each part for rust. If rust was found, the part(s) would be cleaned and reworked to prevent rust from re-developing.

STRATEGY:

ISS began the inspection using the workflow provided, but after reviewing each step, ISS onsite leadership identified a number of Opportunities For Improvement that could be implemented.

OFIs:

Original Inspection Method:

- Required 5 Inspectors.
- Each used 5 pairs of G-Tek Gloves per day.
  - RP was soaking through gloves and getting onto inspector's skin.
- Used 5 (32oz) bottles of RP weekly.
- Used 300 Multi-Purpose Cloths (8x16) per week to apply RP.
- Time to apply RP was approximately 15 seconds per part.
- Able to Inspect 4 to 5 skids per day and 960 to 1200 parts per day.

Revised Inspection Method:

- Requires 3 inspectors.
- Each uses 2 pairs of Nitrile Gloves per day.
  - RP no longer soaking through gloves or getting onto inspector's skin.
- Uses 1 (32oz) bottle of RP weekly.
- Uses 1 long-lasting sponge per month to apply RP.
- Time to apply RP is approximately 2 seconds per part.
- Able to Inspect 5 to 7 skids per day and 1200 to 1680 parts per day.

OUTCOME:

Labor Reduction/Cost Savings:
Reducing labor hours by 80 provided a cost savings of $2,850.00 per week.

Improved PPH:
Replacing cloths with long-lasting sponges increased PPH by 2 more skids and 480 parts per day.

Expenses Reduction:
Switching glove types reduced usage from 5 to 2 pairs per day, and spend by $107.00 per week.
Using 4 less bottles of RP per week reduced spend by $34.00 per week.

Health/Safety:
Switching glove types eliminated glove saturation and RP getting onto inspector's skin.
People perform better and efficiency is maximized in a safe environment.

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