Using Rotating Assets / Repairable Spares in Maximo

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Agenda

• What are ‘Repairable Spares’
• Example of a Repairable Spare Process
• Live Demonstration
• Question & Answer Period

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Repairable Spares

Concept Definition:

✓ Asset reserves in the warehouse for critical and high-value components, in-order to replace similar assets immediately in case of a breakdown.

✓ Can be refurbished many times for defects or wear, and then made available again as spare parts.

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Repairable Spares

Maximo Definition:

✓ An inventory managed single asset which is uniquely identified by a combination of rotating item and asset numbers within Maximo.
Repairable Spares

Structure

✓ Rotating Item Master Records, combined with asset records for a serialized single item.
✓ Many assets correspond to a single item.

For example:

Item: Motor, 300 HP, 1780 RPM, 449T Frame, 460 Volt
  ➔ Motor A: Asset Number 15926
  ➔ Motor B: Asset Number 35676
  ➔ Motor C: Asset Number 63087

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Repairable Spares

Condition Enabled

✓ Repairable spares can also be evaluated based on their condition
✓ Possible condition values could be
  • New – 100%
  • Refurbished – 80%
  • Defective – 40%
✓ For example: if the item in the previous slide Motor, 300 HP, 1780 RPM, 449T Frame, 460 Volt is $10,000.00 New

<table>
<thead>
<tr>
<th>Asset</th>
<th>Condition</th>
<th>Value/Worth Calculation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Motor A</td>
<td>New (100%)</td>
<td>1 x 10,000.00 = 10,000</td>
</tr>
<tr>
<td>Motor B</td>
<td>Refurbished (80%)</td>
<td>1 x (10,000.00 x 0.8) = 8,000</td>
</tr>
<tr>
<td>Motor C</td>
<td>Defective (40%)</td>
<td>1 x (10,000.00 x 0.4) = 4,000</td>
</tr>
</tbody>
</table>
Repairable Spares

Process

✓ The following process demonstrates the steps for issuing from store and returning to store items identified as repairable spares

✓ Prerequisites
  • The asset you are looking to issue or return to the storeroom is defined as a repairable spare
  • The Item record in Maximo is defined as ‘Rotating’

✓ High value components are often used (i.e. pumps, motors, meters and so on) which are replaced in case of damage by a functional repairable spare and then refurbished.
Demonstration
Questions...