

Creative Solutions For Significant **Generator Failure** Damage

AGTServices, Inc.



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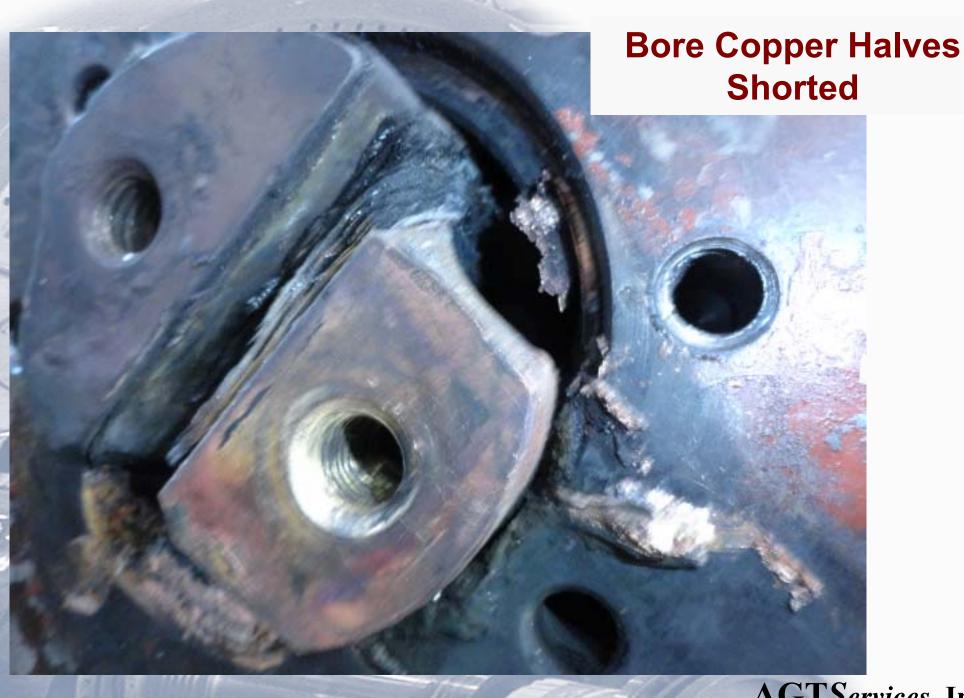
GE 9A4 Shaft ID Damage & Repair

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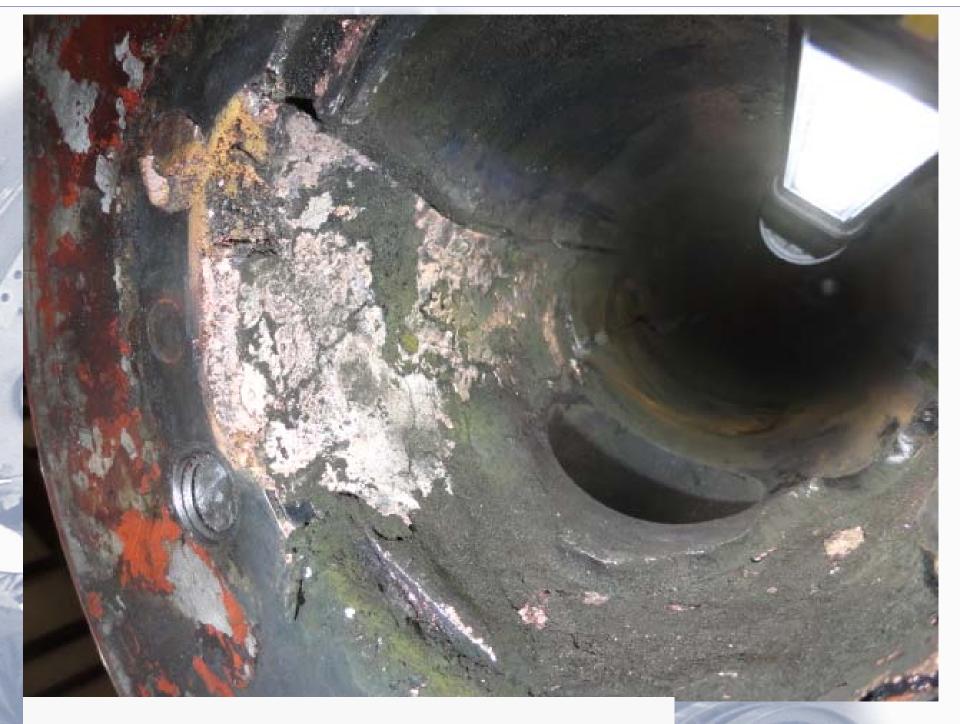




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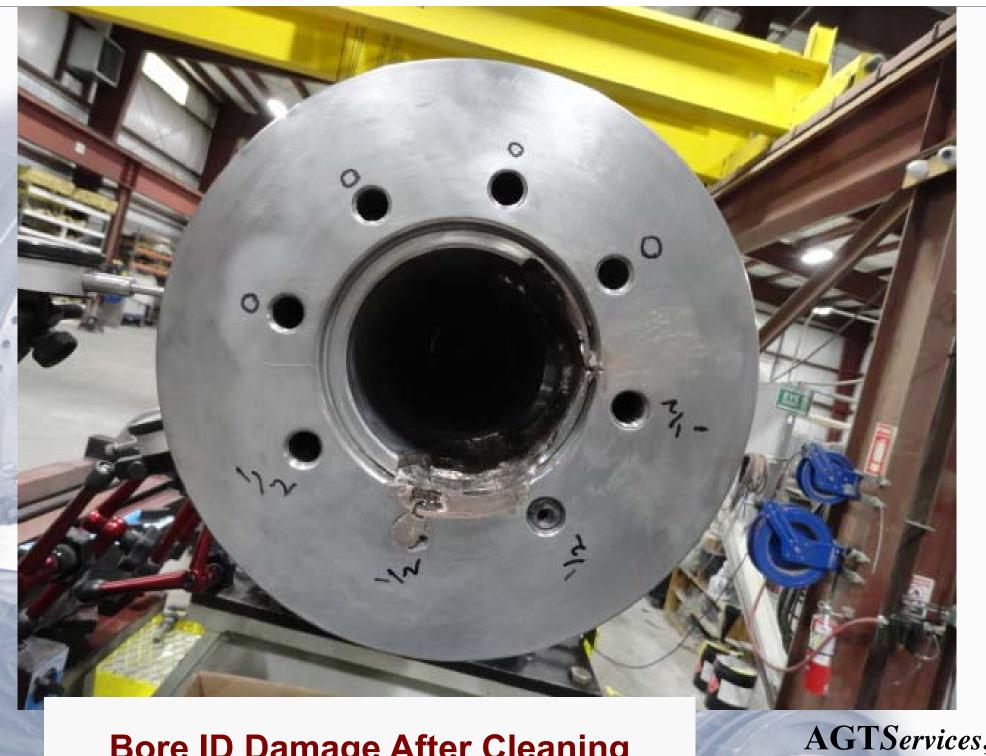
Bore ID Damage Prior to Cleaning

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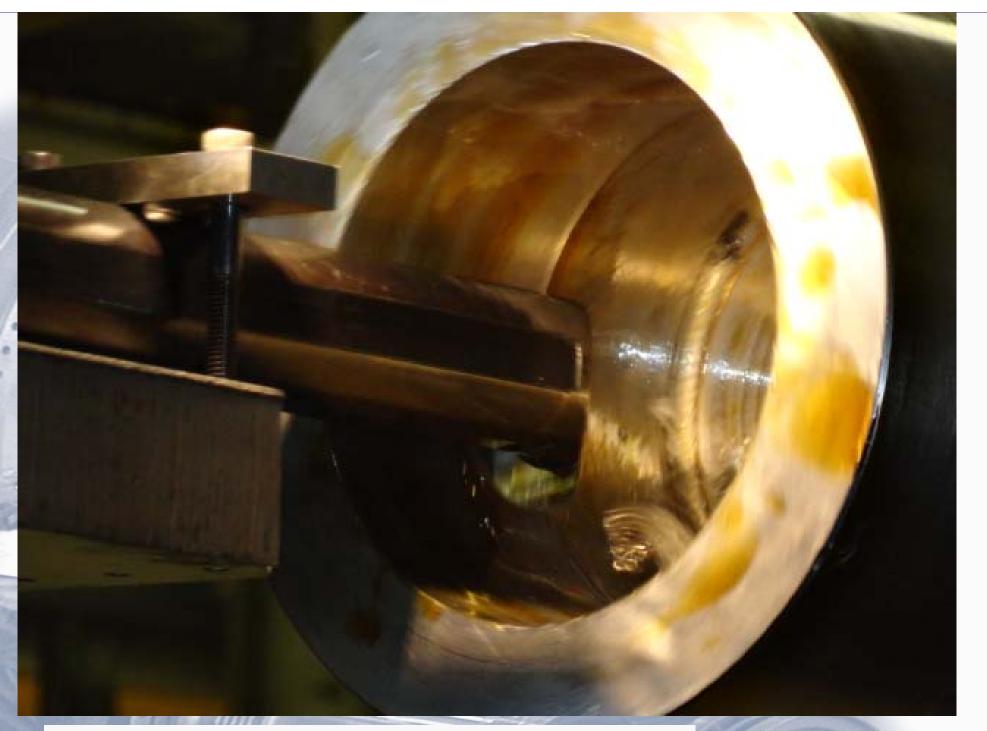
Bore ID Damage After Cleaning

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Bore ID Damage After Cleaning

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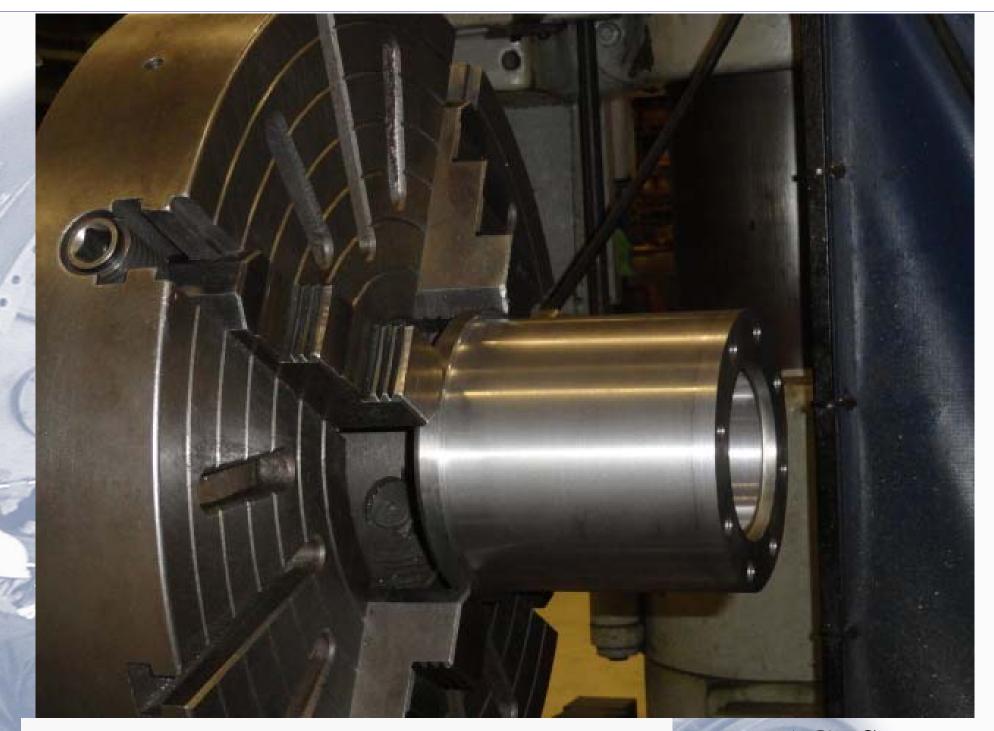
Machine / Enlarge ID

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Generating timely repair solutions



Before / After

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Bore ID Insert / Sleeve

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Generating timely repair solutions

Bore ID Insert / Sleeve





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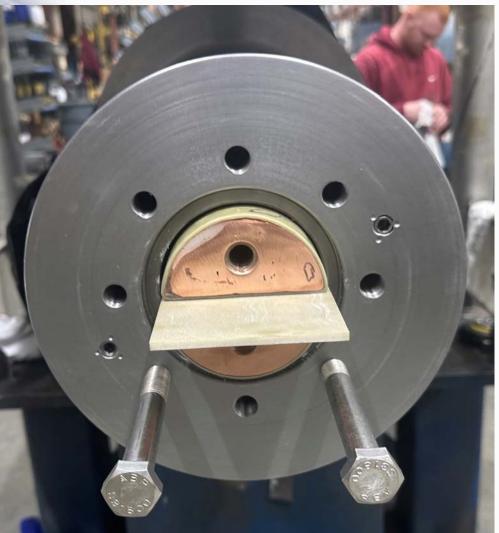


New Bore Copper



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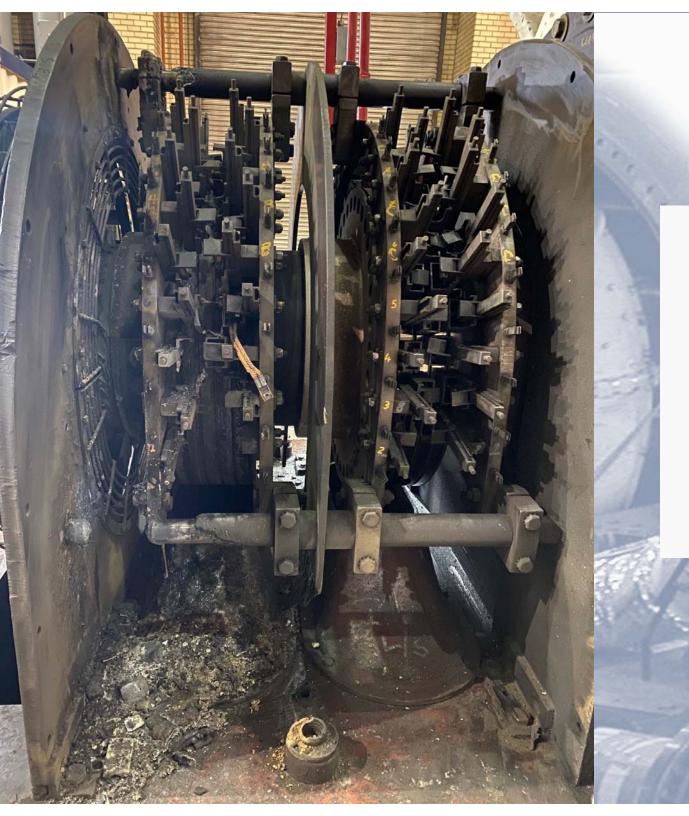
Before & After

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GE Water Cooled LP Shaft OD Damage & Repair

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Collector Ring Flashover OB Ring

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COLLECTORS 101

For Good Collector Performance:

- Consistent & adequate brush film
- Adequate contact pressure
- Proper Ring Surface Conditions
- Continuous brush to ring contact

COMBINATION OF SMALL ISSUES CAN ADD UP

Daily & weekly monitoring with minor maintenance is key to good collector performance

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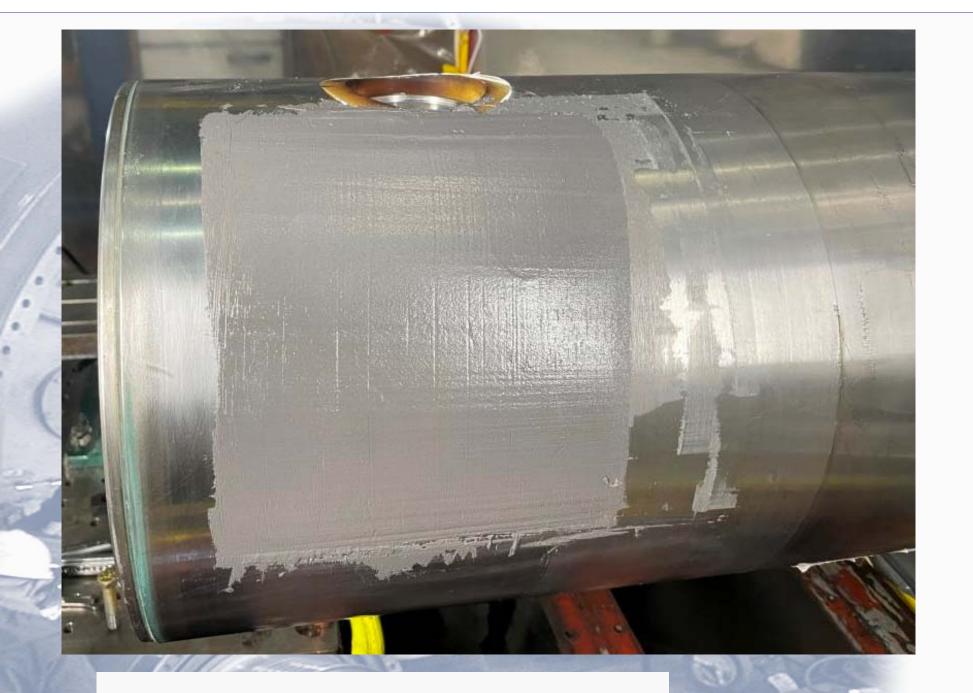
Shaft Damage Due to Arcing

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Heat Affected Material Removed & Blended

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Plastic Metal Build Up

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Machine OD

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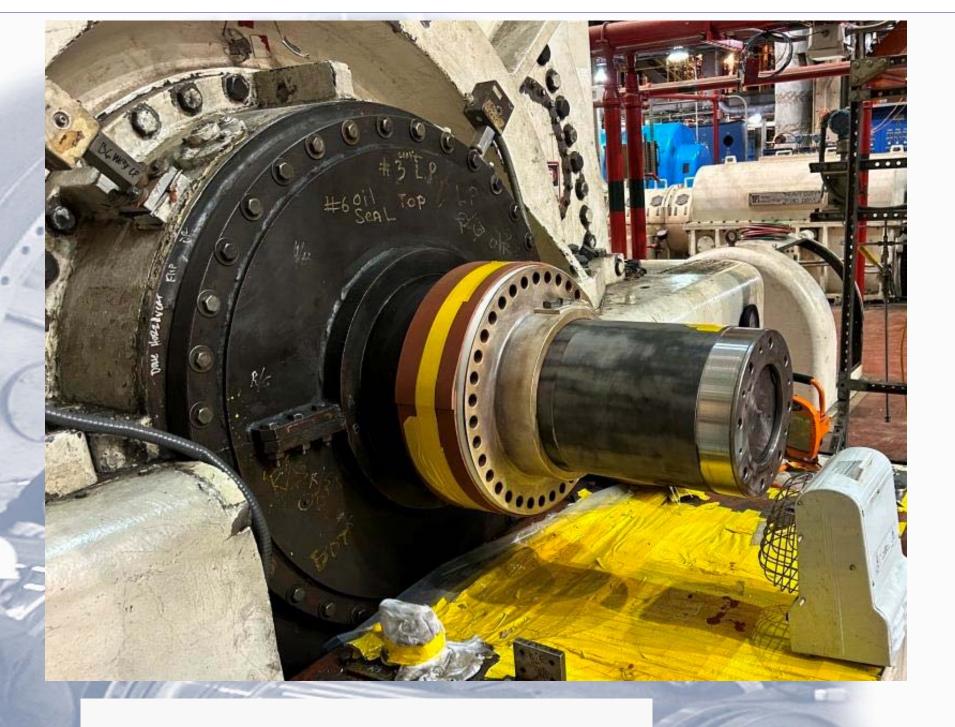
Measurements After Machining

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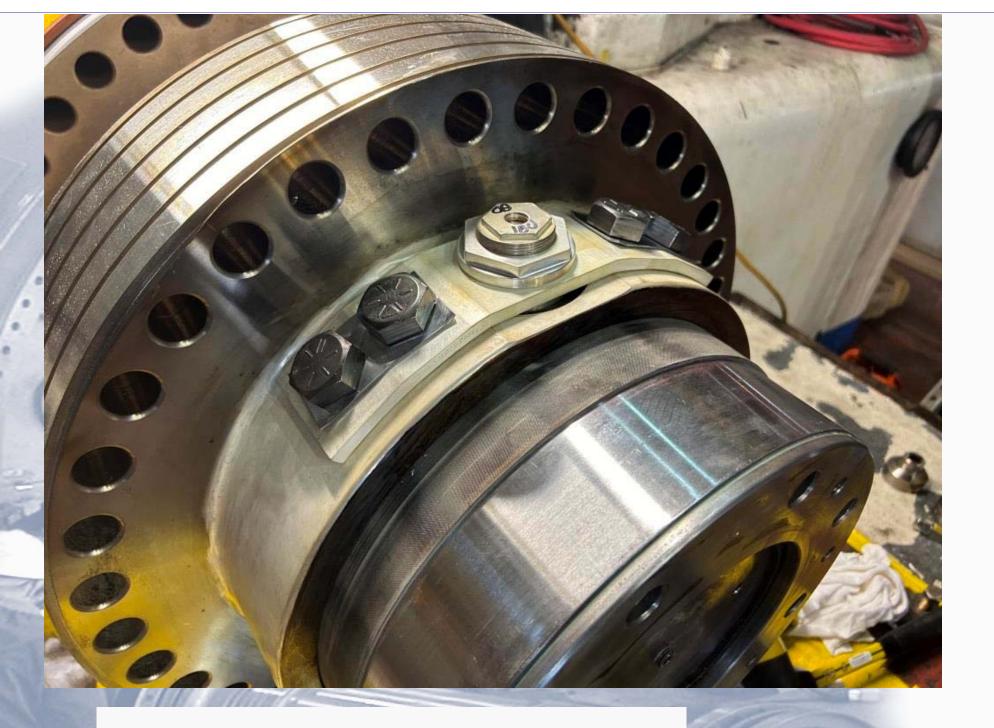
Insulating Sleeve Dimensional Checks

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After Sleeve Assembly

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After OB Collector Assembly

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After
Collector
Ring
Final
Machining

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GE 324 Main Lead Repairs

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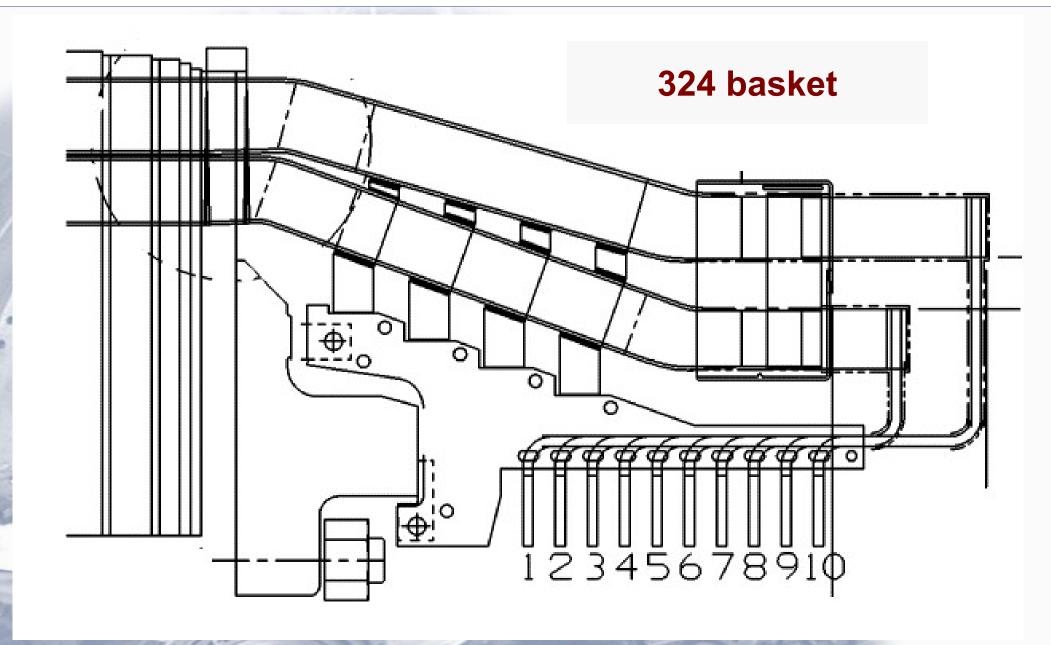
GE 324 – 3 Circuit Winding Connections

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Connection Rings Move With Windings

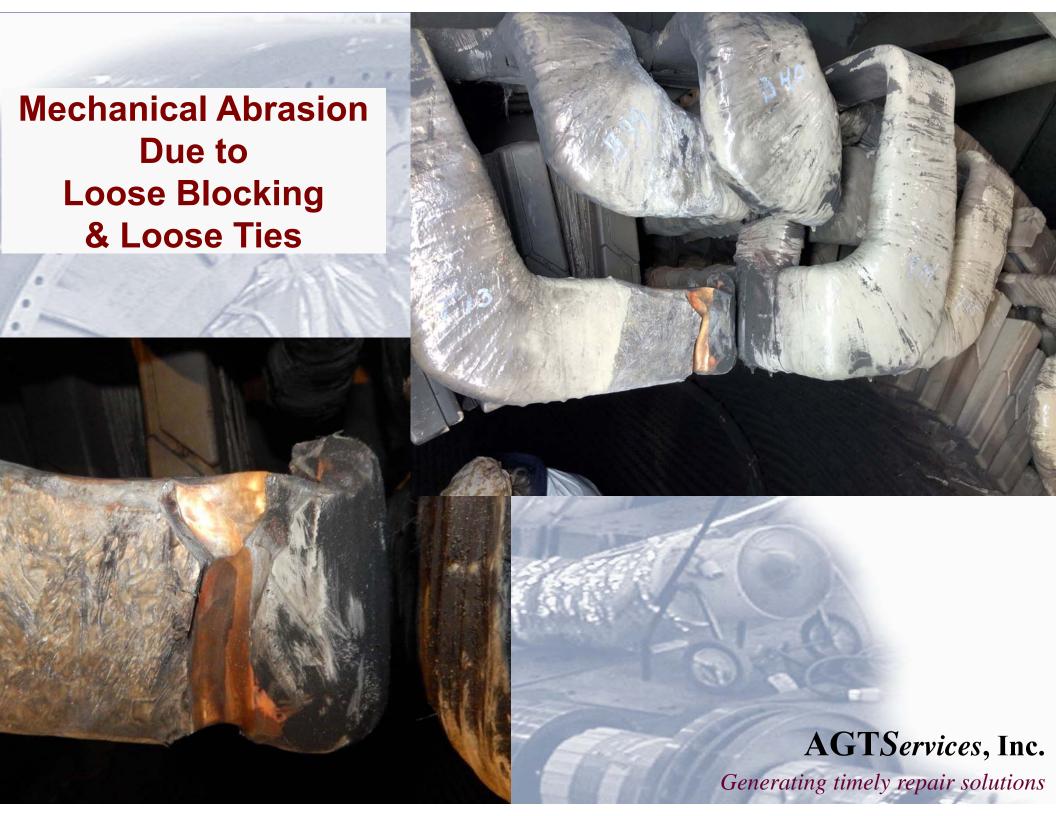
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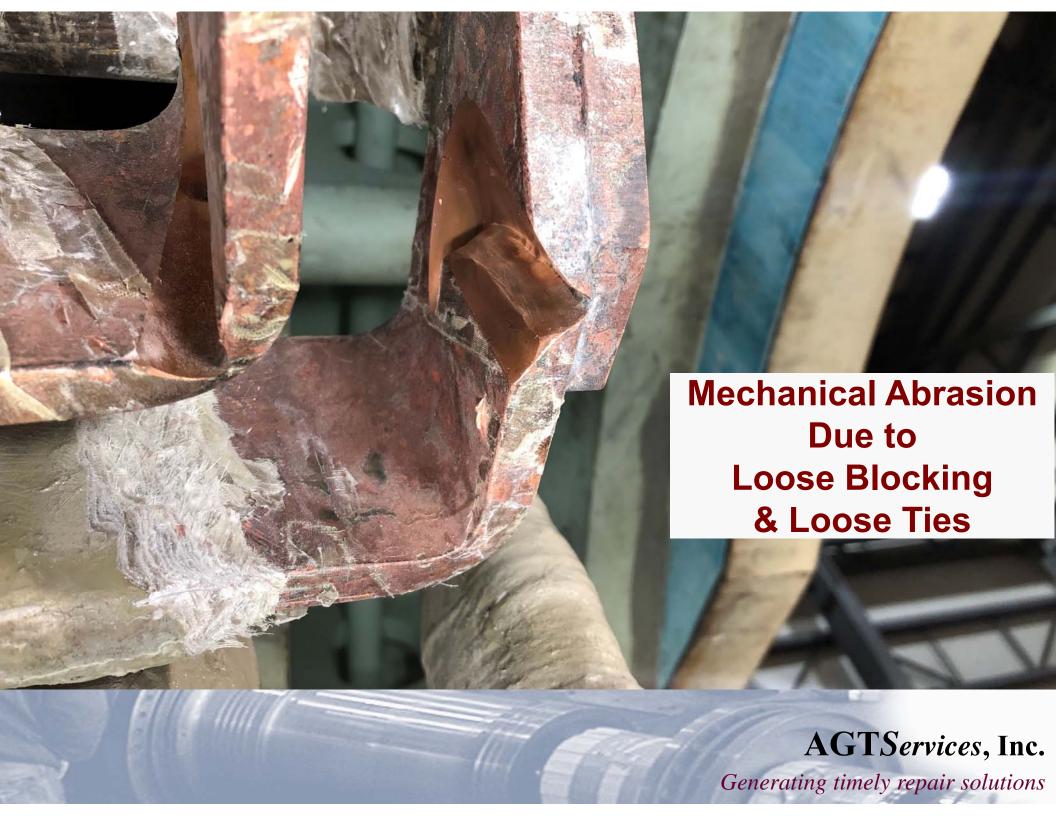
Winding Moves With Respect to Core
Connection Rings Fixed to Core

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Alstom Air Cooled VPI Winding Main Lead Repair

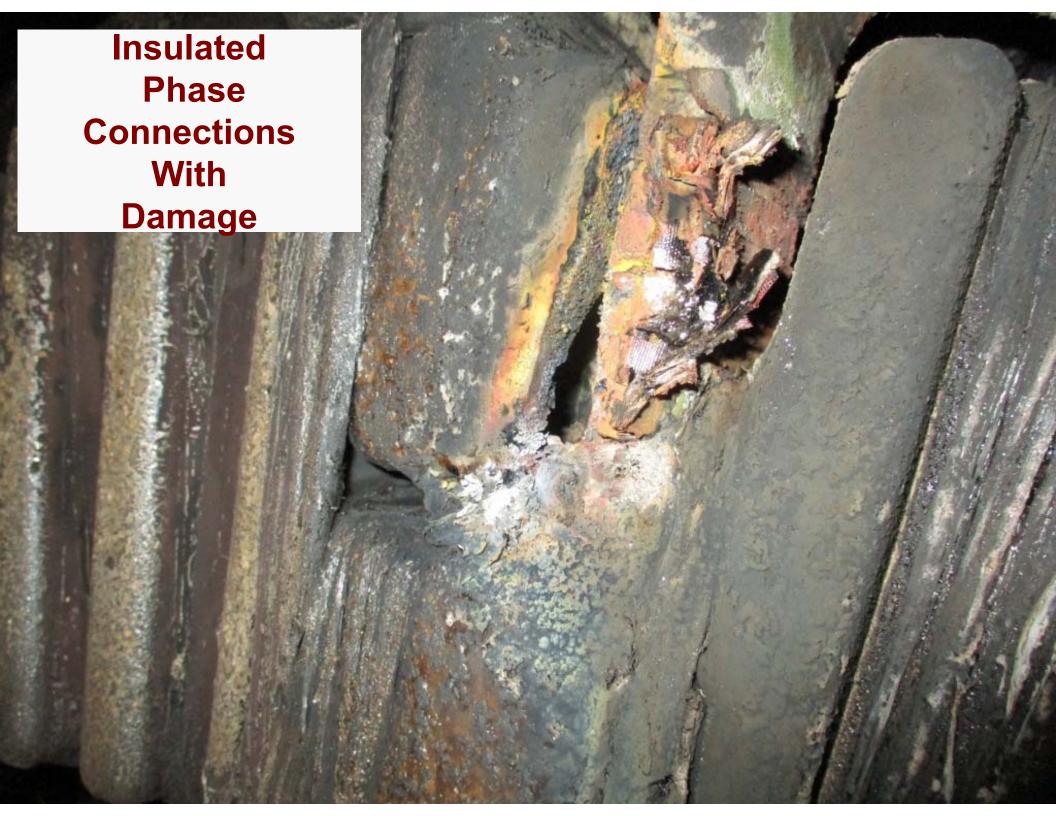
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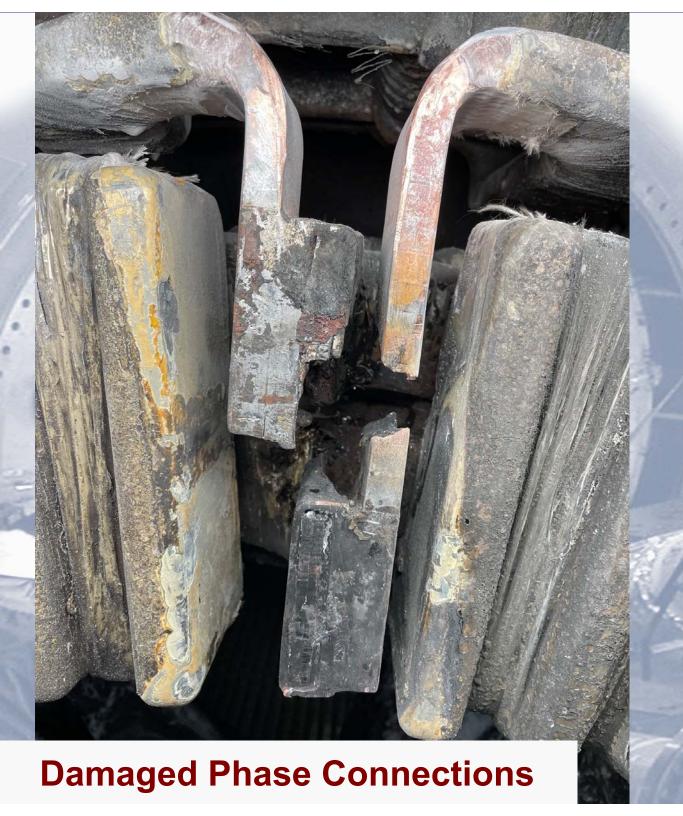


Uninsulated Phase Connections

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Undamaged Phase Connections



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Phase Lead & Bottom Bar Damage

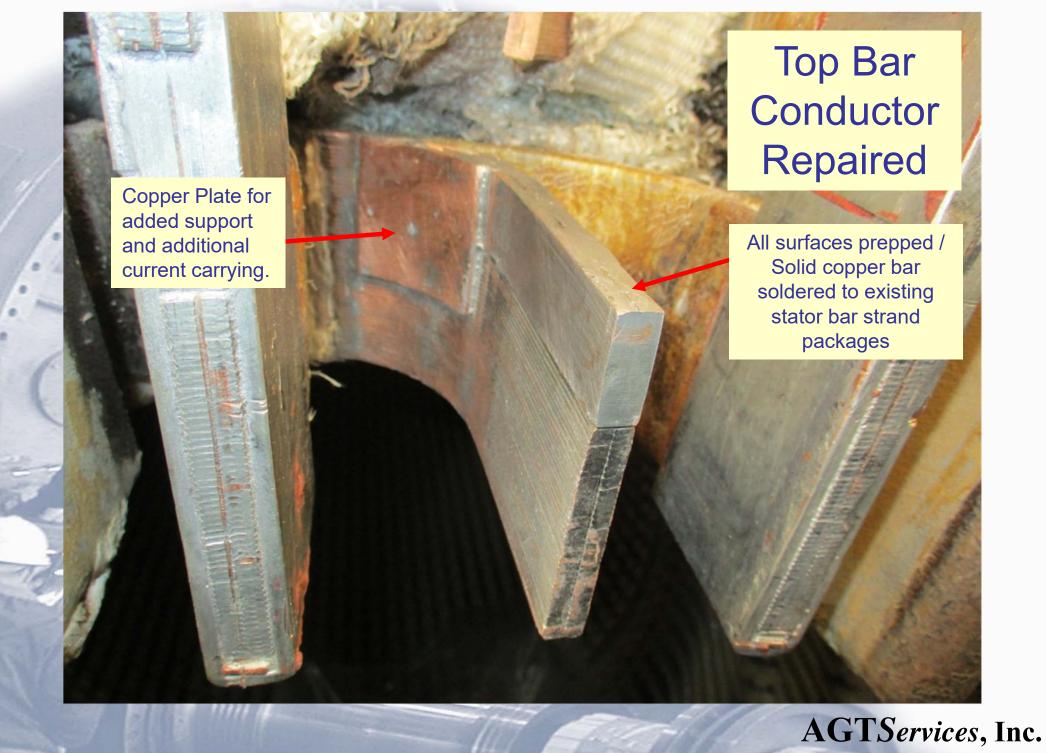
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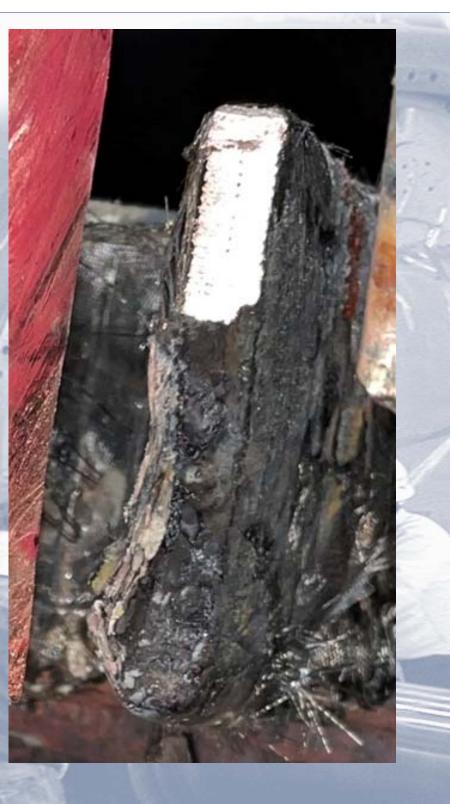














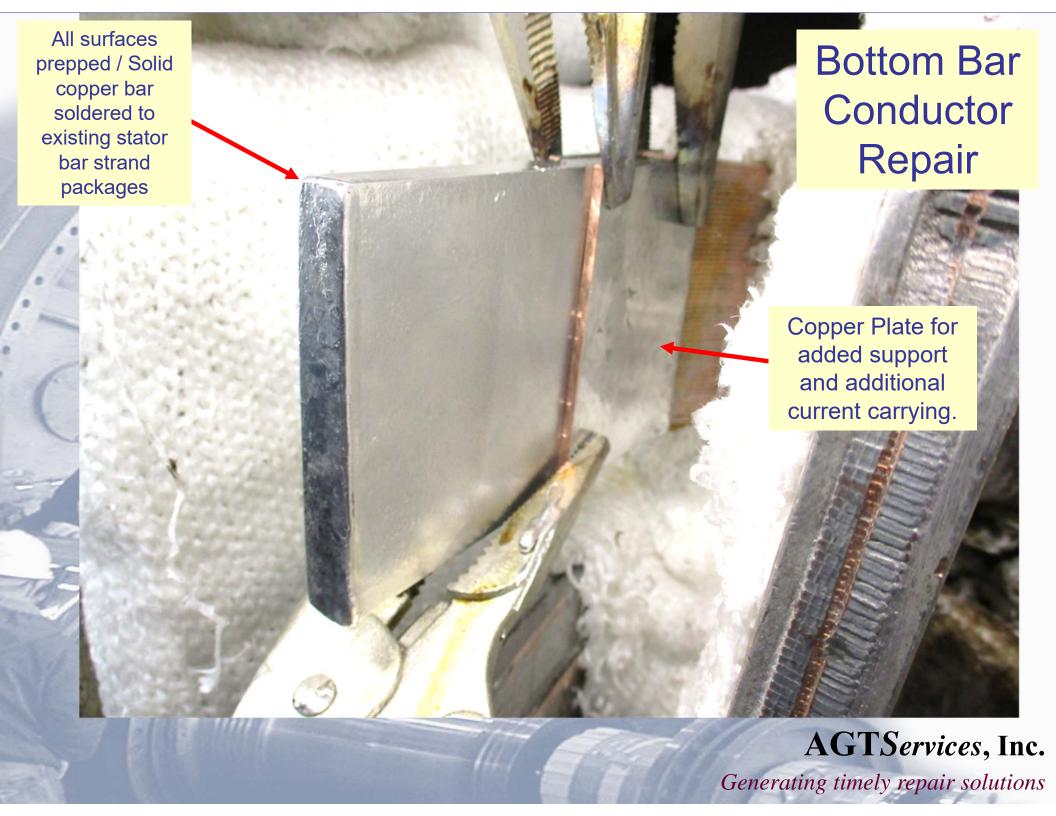


Bott Bar Conductor Repair Piece

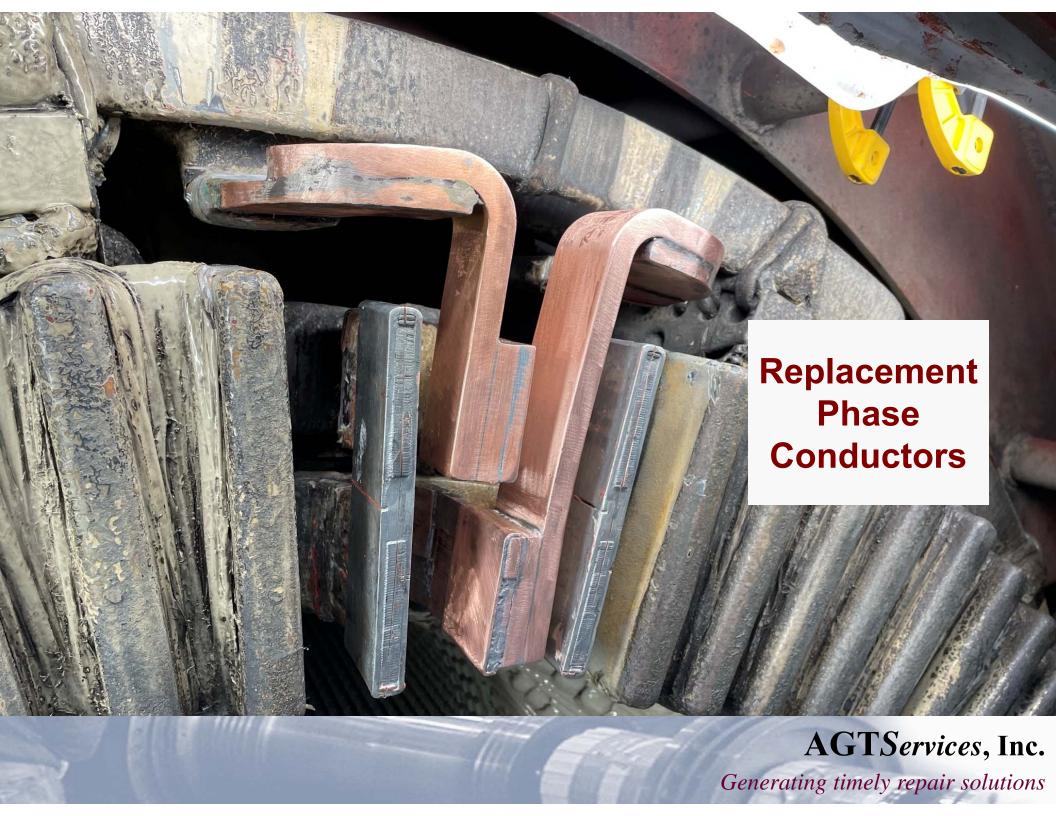


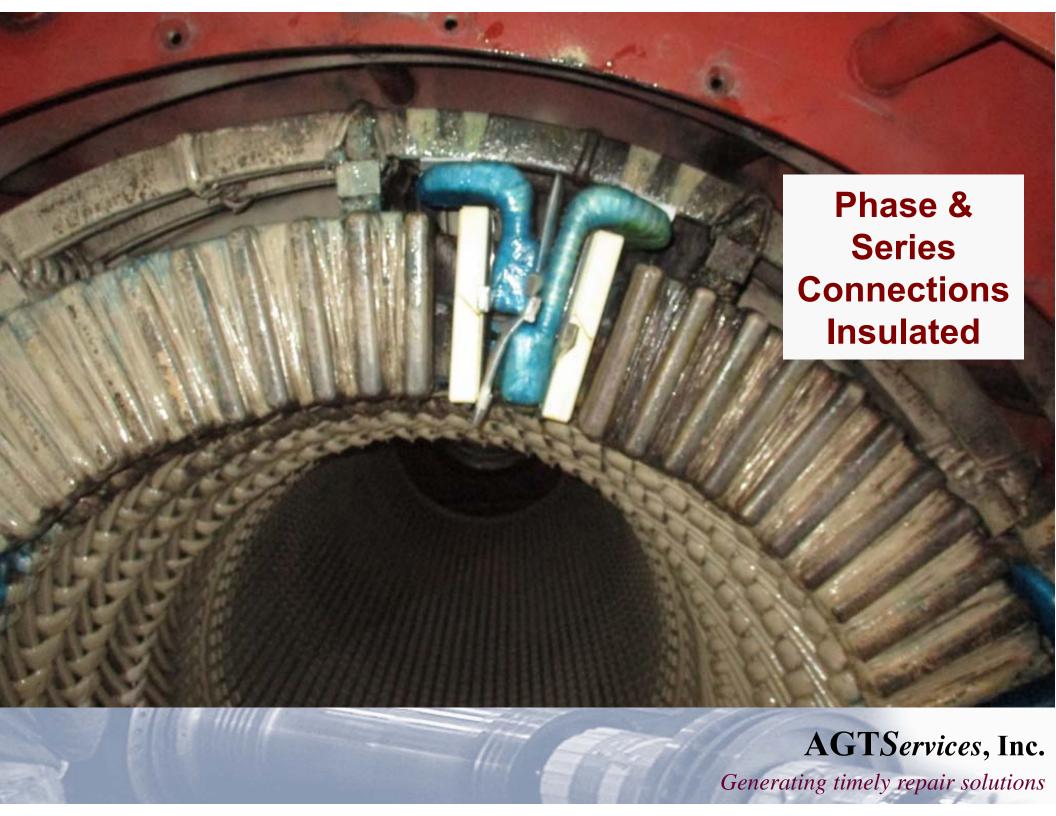
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