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INDUSTRIAL SERVICES, INC.

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Transformer Rewind

Client Type: Industrial

Equipment Involved: Westinghouse 1850 KVA shell form, oil filled transformer with load tap changer

Challenge: Oil analysis showed dissolved gasses, indicative of potential failure. In consultation with customer, brought in transformer for evaluation and recommendations.

Solution: Design new windings based on optimizing transformer performance under transient stresses such as fault forces, impulse transfer voltage and switching surges.

Project Scope: Rewind main and reactor coils with thermally upgraded insulation, replace heat exchanger, all gaskets and gages, pressure relief device, dehydrating breather, moving arcing contacts, bushings. Vacuum fill with new insulating oil. Transport and reinstall with new, modified bus riser; perform field acceptance testing including oil quality to establish baseline.



Magnetech Industrial Services

800 Nave Road SE
Massillon, OH 44646
Phone: 330-830-3500
Fax: 330-830-3520
E-mail: info@magnetech.com