

A Tale of Two Medium-Voltage Rewinds



IPS PowerSeal™ Reliability-Driven Rewind



Proven Design & Specification

- ✓ Patented Engineered Insulation System
- ✓ Extensive Design Qualification Testing
- ✓ Available 40-year Log Life Aging Curve
- ✓ Class H Thermal Rating @ 40 Years



One process for every IPS coil

- ✓ Built to IPS specification. Every time.
- ✓ Insulation tapes optimized to VPI resin
- ✓ Superior Turn & Ground Wall Insulation using high-density mica tapes



One reliable Rewind & VPI Process at all IPS Service Centers

- ✓ Standardized IPS epoxy resin in all VPI tanks
- ✓ All VPI resins tested monthly for quality compliance
- ✓ Insulation tapes and resin optimized for maximum penetration and saturation
- ✓ Certified/calibrated equipment
- ✓ Superior winding techniques (connections, blocking, lacing, spacing...) providing mechanical, electric, thermal and environmental protection
- ✓ Meets or exceeds: IEEE43, IEEE522, IEEE1068, NEMA MG1, ...



Pass AC Hi-Pot Water Immersion
per NEMA MG 1-2021 Part 20.18.1



Over 10,000 Rewinds
throughout North America



Industry-Leading
5-Year Warranty



PREMIUM REWIND to 7.2kV

Industry Standard – Price-Driven Rewind



Variable Design & Specification

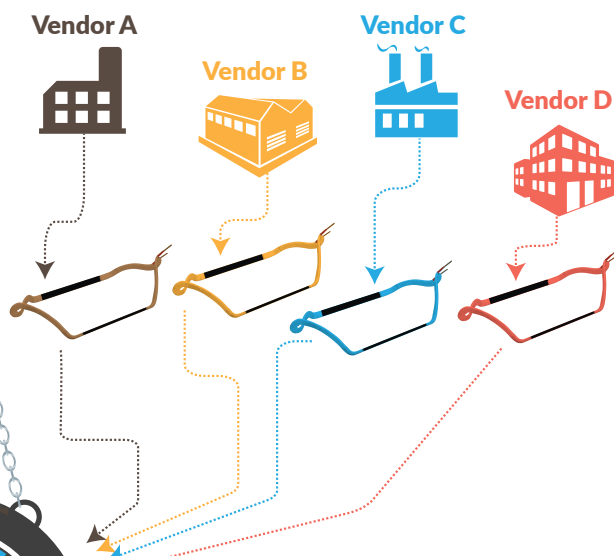
- ? Design Qualification Testing? **Unavailable.**
- ? 40-year Log Life Aging Curve? **Unavailable.**
- ? Insulation Thermal Class? **Unknown.**
- ? Stator coil specifications? **Varies by vendor.**
- ? Insulation tapes optimized with VPI resin? **No.**
- ? Coil vendor selection? **Based on price or delivery.**

Vendor A

Vendor B

Vendor C

Vendor D



Reliable Process?

What's in the tank?

- ? Polyester? Epoxy? Copolymer?
- ? Resins and winding materials vary by shop.
- ? VPI and winding process varies by shop.
- ? Resins tested monthly?
- ? Calibrated equipment?
- ? Resins optimized to work with insulation tapes?
- ? Rewind testing standards vary by job?



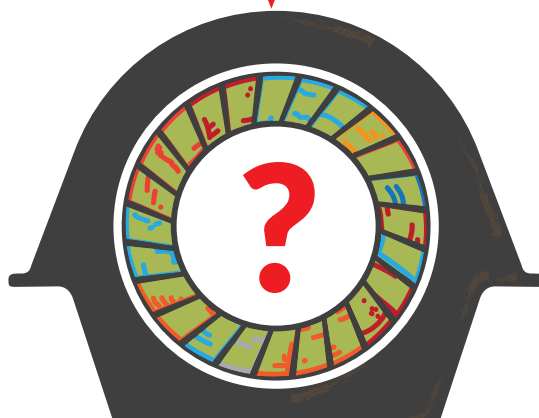
Pass DC Hi-Pot



Proven Experience



1-Year Warranty



INDUSTRY STANDARD