Up-rate Packages for Westinghouse Oil Circuit Breakers
Type 115-230 GM, GMA, GMB and GW

Application
Up-rating older oil circuit breakers provides an economical and efficient way to improve their performance. Not only can up-rating meet the need to increase current carrying capacity or interrupting capability, it can dramatically extend the life of the unit at a fraction of the cost of a new breaker.

Increasing interrupting capability to 63 kA symmetrical is applicable to the following circuit breakers:
- 1150 GM 10000, 1380 GM 10000, 1380 GM 15000, 169 GM 31 (limited to 50 kA)
- 121 GMA 40, 145 GMA 40, 242 GMA 40, 242 GMA 50
- 121 GMB 40, 145 GMB 40
- 2300 GW 15000, 2300 GW 20000

Benefits
- Improved safety
- Increased interrupting and current carrying capacity
- Reduced maintenance
- Improved reliability
- Extended service life
- No new foundations, rewiring, changes in bus location or space allocation required
- New technology implemented on upgraded components may qualify for CapEx funding

Description
For some breakers, all that may be required for the up-rated nameplate is inspection by a qualified ABB technician to assure that the breaker is in “as new” condition.

Performance of modified breakers has been verified by extensive high-power interrupting tests performed in accordance with ANSI standards. Any modification kits supplied are individually designed and tailored to the particular shop order. All necessary parts, hardware, fittings, nameplates, and instructions are included. All contacts and other parts and materials supplied are controlled to stringent ABB and industry specifications.

Design engineers with in-depth product knowledge direct the up-rates, drawing on decades of technical information about materials, configuration, and performance. ABB field engineers and specially trained technicians can perform the up-rate or assist as required through project management or installation services.

Typical up-rate packages include:
- New or refurbished stationary and moving contacts.
- New or rebuilt interrupter grid stack assemblies built to the latest design specifications.
- All tank gaskets.
- Associated hardware for installing the kit.
- Other parts as needed.
- Installation instructions and drawings.
- Major maintenance checklist.
- Individual tailoring of kits to the specific breaker shop order number.

GMB 138 Oil Circuit Breaker
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