



Life Cycle Cost

- It is unnecessary to check interrupter by overhaul (10,000 times of switching under no-load and loaded conditions)
- It is unnecessary to treat decomposed gases at the time of demolition (only recovery of gases is necessary)
- comparison of incurred expenses between VCB and GCB

Conditions for investigation

- (1) investigation is based on 24 years of use.
- (2) At the time of inspection after 18 years of use:
 - No overhauled checks are needed in the case of VCB.
 - Overhauled checks are needed after 18 years for GCB.
- (3) At the time of demolition:
 - Only expenses for recovery of gases are needed for VCB.
 - Expenses for recovery of gases and treatment of gases are needed for GCB.

Result of investigation

- (1) Life cycle cost for maintenance and inspection: VCB < GCB
- (2) Incurred cost for VCB is 40% that of GCB.



Reduction of LCC possible for VCBs

comparison of incurred expenses between VCB and GCB

Models	6 years	12 years	18 years	24 years
VCB	Regular	Detailed	Regular	Demolition
GCB	Regular	Detailed	Overhaul	Demolition

