

### Benefits of load bank in generators

1. It verifies the generator set full rated power.
2. It eliminates exhaust wet stacking by burning off built up fuel and oil carbon deposits.
3. It tests the fuel system capability at the generator set's full operating capacity and checks for issues such as leaks, air, fuel pressure, filter efficiency, and fuel injection.
4. It tests the cooling system efficiency at the generator set's full operating capacity and checks for issues such as leaks, water pump dynamics, thermostat operation, radiator cap operation and engine temperature at full load.
5. It provides opportunity to tests voltage and frequency regulation at various load.
6. It test the generator's reactance to block loads.
7. Helps in drying the moisture from the inside of the alternator, engine and electrical components.
8. A load bank can serve as a supplementary load in case actual load is below 30% of the generator's capacity.
9. A load bank is safer to use during testing and maintenance of the generator set rather than using the building load.
10. It simulates and verify load sharing on paralleled generator sets.

