



## OPERATION INSTRUCTION

### PREPARATION BEFORE START

1. Check the oil level of lubricating oil, generator cooling liquid and fuel oil;
2. Check whether there is leakage in every pipelines and joints of the oil supply, lubrication, cooling and other systems of diesel engine;
3. Check whether there is hidden danger such as a broken in electrical circuit that may cause electrical leakage; Check whether the grounding wire is loose or not; Check whether the generator set is firmly connected to the foundation;
4. If the ambient temperature is below zero degree Celsius, a certain proportion of antifreezing agent must be added to the radiator;
5. When it is the first time to start the diesel generator set or it has been long time since last start, air in the fuel system should be exhausted with a hand pump before start;

### START

1. After closing the safety fuse in control box, press the start button for 3-5s. If this fails, wait for about 20s and start again. If it fail for many times, stop starting. Start again after eliminating fault factors such as battery voltage and oil circuit;
2. Observe the pressure of engine oil. If there is no display or it is too low, start should be stopped immediately and inspect the generator;

### RUNNING

1. After starting the generator, check each parameters in controller; Check the engine oil pressure, water temperature, voltage and frequency, etc;
2. Under normal circumstances, after the generator start it will directly reach the rated speed; If idle speed is required, idle time should be around 3-5min. Idle time cannot be too long, or related components in generator may be burned out;
3. Check the leaks of oil circuit, water circuit and electric appliance;
4. Check the fastening of each connect to see whether there is looseness and violent vibration;
5. Check whether the protection and monitoring devices are normal;
6. After it reaches rated speed and all the parameters during no-load running are stable, close the brake to supply electricity,;
7. Check each parameters in controller are in permission scope. Check the vibration of generator again. Check whether there is leak or other fault;
8. Overload is strictly prohibited during generator running.

### NORMAL STOP

Brake should be separated before stop. The generator should still keeping running for 3-5min after removing the load before stop.

### EMERGENCY STOP

1. Generator must be stopped immediately when it occurs abnormal situation during running.
2. When emergency stop, press the emergency stop button or quickly push the stop control handle of the injection pump to stop position;

**IF ANY QUESTION DURING USAGE, PLEASE CONTACT US:**

**Yangzhou Beidou Power Equipment Co.,Ltd**

**TEL: 0086-514-86371199**

**MOB: 0086 181 1823 7568**

**MAIL: candy@bddl.com.cn**

**WEB: www.beidougenerator.com**

**www.bdgenerator.com**