Digital High-speed Agitator with Limitless Variable Speed

SL-GJ-2

Operation and Performance

1. SL-GJ-2 agitator is the dedicated device for testing drilling mud used in petroleum prospecting, which is fit for stirring different drilling mud used in petroleum drilling by means of pulley drive.

2. The agitator is comprised of main engine and power gear. The electrical machinery is a DC series wound motor, it has a small cubage, a high revolution speed and negligible noise so that it is very convenient to maintain and repair.

3. The shell of the agitator is mainly founded by high quality carbon alloy steel, so it is robust and durable as well as beautiful.

4. Since the agitator is vertical, it is easy to use with its small cubage.

5. The mechanics of the agitator is limitless variable speed; the actual revolution speed is displayed numerically in the panel of power gear. The velocity range is 4000 ~ 11000r/min.

The chief technical data

Rated Voltage: 220V; Rated Frequency: 50Hz

Power of electrical machinery: 180W

Idle rotation speed: 4000 ~ 11000r/min±3%

Stirring cubage: 500mL; External size:200×240×500

Instruction of maintenance

1. Check the voltage whether it is tallied with that of the designation plate before using it, because it cannot be used under the power whose voltage exceeds 5 percent of the rated one.

2. To make sure it is safe used the agitator is fitted with triplex rubber cord and monophase triplex safety plug, be sure that it is well grounded.

3. Connect the conducting wires of the corresponding plugs in the main engine and power gear as required, switch on the power, turn the knob “Varying speed” to null position,
turn on the power-switch, modulate the knob “Varying speed” clockwise to the required revolution.

4. Run the agitator idle for several minutes when use it the first time, it can work normally if the sound and revolution is normal and there are no loose parts.

5. The ventilation plant of the agitator must be kept clear and unblocked, so the dust and contamination must be cleaned regularly. The vent hole could not be blocked, make sure to keep the dust and the liquid off the internal machinery.

6. Inspect the power supply wire, plug, ground conductor, switch, electronic brush, commutator, etc. to escape casual accidents.

7. The revolution of the agitator is very high and the lubricating oil volatilizes easily, so the electric brush is easily wore down and should be changed frequently.

8. Do not remove the agitator by pulling the rubber flexible cord in case of accident caused by the desquamation of the cord.

9. The insulation resistance should be measured by 500V mohommeter if the agitator is left unused for a long time. If the difference between the resistance and that among the shell is less than 1 million Ω, then you need to cope with the agitator by several dry processes until the difference is above 1 million Ω.

10. The agitator should be kept in dry, clean and no corrosive gas environment when not used.

11. Do not dismantle the agitator at random when it is not available to avoid serious damage. Take it to professional maintenance men to be checked.

12. The machine is better not to rotate idle to avoid the agitator vibrate.

13. Open the upper cover and check whether the belt ruptures or desquamates if the main shaft of the agitator doesn’t work. Change the belt if it ruptured or desquamated.