

INSTRUCTIONS FOR STORAGE FOR SUBMERSIBLE PUMPS

This instruction explains the instructions and important precautions for the storage of Tsurumi submersible pumps and mixers that are to be out of use for an extended period.

PLACE FOR STORAGE

1. Select dry, few dust, and possibly cool place for the storage. It is also recommended that the place shall be free from vibration. If it is stored near the source of a vibration, take a suitable countermeasure for the vibration.
2. Store the equipment indoor. If it is forced to be stored outside, the equipment must be fully covered with a suitable sheet to protect from rain and sunshine.

Caution: Special care must be taken for the power cable, as the cable may be unexpectedly damaged by the ultraviolet.

3. Protect the end of the power cable with a taping or a vinyl cover so that water or moisture may not enter the conductors of the cable.
4. For a submersible pump, make sure to drain the pump casing or water jacket dry if it has once been put in service. (The water may quickly bring about the outbreak of rust if it remains.) Blow the water off by a pressurized air. For the back of the impeller shroud, tilt the pump slightly to drain, and insert an air hose to blow the water.

WARNING!

When tilting the pump, use a hoisting device like a crane for the safety. Pay close attention that nobody presents near the pump. Failure to observe this may result in a severe personal injury.

CARE DURING STORAGE

Once a month, rotate the impeller or propeller by a hand, and stop it at an angle that is different from the angle previously stored. The reasons to do this are;

- To prevent the break down of the oil film existing at the sealing face of the mechanical seal.
- When the rotor is stored at the same angle for an extended period, the oil films given between the balls of the ball bearing may break.

WHEN PUTTING INTO SERVICE

Be sure to carry out the followings when putting into service after a long storage:

- Check to confirm that the motor insulation resistance is more than 20M Ω .
- Change the lubricating oil (Turbine oil VG32).

Refer the instruction manual of the pump for the details.

FOR YOUR REFERENCE

Maximum period that the power cable maintains its original quality

The maximum period shall be referred as seven (7) years. It is recommended to replace if it is used for more than seven years. If the cable has ever been put in service, it shall be referred as 3 to 4 years. It depends on the condition of storage or usage. (Before putting in service, make sure that the cable has no crack on its surface.)