

## MAINTENANCE

### LUBRICATION

1. Closed-Coupled Units: Bearings are located in and are part of the motor. For lubrication information, refer to motor manufacturer's instructions
2. Frame-Mounted Units: Frame mounted should be regreased every 2,000 hours or at a three month interval, whichever occurs first. Use a #2 sodium or lithium based grease. Fill until grease comes out of relief fittings, or lip seals, then wipe off excess. Follow motor and coupling manufacturer's lubrication instructions. Recheck alignment.

### CLEANING

1. Remove oil, dust, dirt, water, chemicals from exterior of motor and pump.
2. Keep motor air inlet and outlet open.
3. Blow out interior of open motors with clean compressed air at low pressure.
4. Regularly drain moisture from TEFC motors.

### TAKING OUT OF SERVICE:

1. Make sure the pump strainer basket (if supplied), pump casing and separator are drained and free of any blockage when not in use to prevent rust from forming and water from freezing during the winter. It is recommended that a good rust inhibitor be put into the liquid end to prevent excessive corrosion. Keep the motor dry and covered.
2. To drain, remove the drain plug that is located below the suction inlet of the pump. Drain the suction pipe to a point below the frost line. All other pipes, which may be exposed to freezing temperatures, should also be drained.
3. Remove the priming plug. This will help the pump body to drain by permitting air to enter the case.
4. Short Term: Pumps can be retained in storage, as factory assembled, in a dry atmosphere with constant temperatures for up to six (6) months.
5. Long Term: Any length of time exceeding six (6) months, but not more than twenty (20) months. The units should be stored in a temperature controlled area, a roofed over walled enclosure that provides protection from the elements (rain, snow, wind blown dust, etc.), and whose temperature can be maintained between +40 deg. F and +120 deg. F.
6. If extended high humidity is expected to be a problem, all exposed parts should be inspected before storage and all surfaces that have the paint scratched, damaged, or worn should be recoated with a water base, air-dry enamel paint. All surfaces should then be sprayed with rust-inhibiting oil.

**\* Cold Weather Precautions Should Be Taken When Conditions Approach Freezing.**