

# Red Stick Armature Works, Inc.

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## **SPECIFICATIONS FOR ELECTRIC MOTOR STORAGE**

### **1. SCOPE**

- 1.1 These specifications and procedures set forth the requirements of our company for the storage of electric motors.
- 1.2 Our service includes pick-up and delivery to and from your plant during normal working hours.

### **2. GENERAL**

- 2.1 Motors will be stored in a clean, dry storage area. This area will be climate controlled, which is essential to motor insulation life.

### **3. MOTOR SHAFTS**

- 3.1 Once a month, the motor shaft will be rotated a  $\frac{1}{4}$  of a turn. This is to ensure that the bearings are not damaged due to rotor weight sitting in the same position, as this can cause flat spots on the bearing races.

### **4. LUBRICATION**

- 4.1 Lubrication will be checked monthly to ensure proper amount and that it does not become contaminated by moisture or foreign substance.

### **5. MEGGER TEST**

- 5.1 A megger test will be performed once a month to ensure the integrity of insulation remains consistent. The readings will be recorded.

## 6. **TESTING**

6.1 The following is a list of electric motor checks before storage and before delivery back to client.

- Megger Test
- Surge Comparison Test
- Polarization Index Test
- MCE Standard Test
- Test run until bearing temperature stabilizes
- Observe current readings to ensure balanced load
- Vibration Readings