

**Alternator Support Equipment
Testing and Maintenance Schedule**

Lube Oil System

**AC pumps transfer switches. Procedures BSPS/FBSPS/BSPR 1/BSPR 2
FBSPR 3/FBSPR 4/LOPA/FLOPA-----3/yr**
**DC pumps transfer switches. Procedures EBSPS/EBSPSA/FEBSPS/
FEBSPSA/EBSPR/FEBSPR-----3/yr**
Oil level alarm switches. Procedures OLG/FOLG-----3/yr
Oil level trip switches. Procedures FLOLT/LOLT-----3/yr
Oil thermostatic switches. Procedures HTH-TR/AROT/FAROT----3/yr

Helium Gas System

Core monitor-----2/yr
Purity indicator-----2/yr

River and City Cooling Water System.

Transfer switch-----2/yr

Alternator Stator Protection

Protective relays-----3/yr
IS Limiter-----2/yr

Alternator Field Protection

Ground fault-----2/yr

Safety System Functional Testing

DC Power and Battery Storage System

Battery charging system and DC storage capacity-----1/yr
Lube oil DC starters-----1/yr
Seal oil DC starters-----1/yr

480V AC Power systems

Diesel transfer switch-----1/yr

UPS Transfer switch-----1/yr

Lube Oil System

AC and DC pumps transfer switches-----1/yr

AC and DC alarms, level and temperature switch-----1/yr

Seal Oil System

DC pump transfer switch-----1/yr

Seal oil tank high and low level switches-----1/yr

Helium Gas System

Core monitor fault trip circuit-----1/yr

Purity indicator fault circuit-----1/yr

Low pressure gas alarm-----1/yr

River and City Water Emergency Transfer

Auto valve and check valve operation-----1/yr

River water failure fault trip circuit-----1/yr

Vibration Monitor

Alarm and trip fault circuit-----3/yr

Alternator Stator Protection

Protective relays fault trip circuit-----3/yr

IS Limiter fault trip circuit-----3/yr

13.8KV Kelex switch safety interlocks and inspection-----1/yr

Assure personal barriers are in place before starting

Alternator Field Protection

DC breaker fault trip circuit-----3/yr

Yard breaker fault trip circuit-----3/yr

AC field supply breaker fault trip circuit-----3/yr

Ground fault trip circuit-----1/yr

Drive System Protection

Limit amp fault trip circuits-----2/yr

Silco fault trip circuits-----2/yr
DC breaker shunt trip circuit-----2/yr
Limit amp starter trip circuit-----2/yr

Performance Checks

Building fire and smoke detection system test-----2/yr
Building water or oil flood system test-----2/yr
Building exit signs and fire extinguishers operational-----2/yr

Drive System-----2/yr
**Silcomatic, Kramerstat, Limitamp, Switch Gear contactors, Auto
Transformer and Rectifier 2000 hp Motor.**

Exciter Power Supplies-----2/yr
Exciter Power Source Yard 13.8 kv to 480 -----1/yr
Alternator Power Source Yard 13.8 kv to 4160-----1/yr