# Lubrication and Maintenance Schedule
# Horizontal Shaft Impact Crusher

| Maintenance | Daily Start-up | Daily Shutdown | Weekly | Monthly | Annually | As Req'd | Notes: |
|---|---|---|---|---|---|---|---|
| CHECK THAT CRUSHING CHAMBER IS FREE OF OBSTRUCTIONS. | • | | | | | | |
| CHECK DISCHARGE SETTING. ADJUST APRON(S) AS REQUIRED. | • | | | | | | |
| CHECK THAT ALL ACCESS COVERS AND PLATES ARE TIGHTLY SECURED. | • | | | | | | |
| CHECK THAT HINGED UPPER FRAME IS CLOSED AND TIGHTLY SECURED. | • | | | | | | |
| CHECK FOR ANY UNUSUAL SOUNDS, NOISES OR VIBRATION AFTER STARTING CRUSHER. | • | | | | | | |
| VERIFY THAT THE MATERIAL FEED IS EVENLY DISTRIBUTED INTO THE CRUSHER FEED CHUTE. | • | | | | | | |
| VERIFY THAT CRUSHED MATERIAL IS FREELY DISCHARGED (NO MATERIAL BACKUPS). | • | | | | | | |
| REMOVE SPILLAGE FROM AROUND CRUSHER AND SUPPORT STRUCTURE. | | • | | | | | |

**Warning:** Lockout/tagout power to crusher drive before performing any lubrication, maintenance, adjustment or repair procedures! Install rotor locking bolt to prevent rotor from turning. Shut-off fuel supply if crusher is powered by a diesel engine.

# Lubrication and Maintenance Schedule
# Horizontal Shaft Impact Crusher

| Maintenance | Daily Start-up | Daily Shutdown | Weekly | Monthly | Annually | As Req'd | Notes: |
|---|---|---|---|---|---|---|---|
| REMOVE DUST AND DIRT FROM BEARING HOUSINGS. | | • | | | | | |
| REMOVE ANY MATERIAL LODGED BETWEEN THE CRUSHER FRAME WALLS AND THE BEARING HOUSINGS. | | • | | | | | |
| REMOVE ANY MATERIAL LODGED BETWEEN THE CRUSHER FRAME WALLS AND THE ROTOR. | | • | | | | | |
| CHECK BEARING HOUSINGS FOR EXCESSIVE HEAT.* | | • | | | | | |
| CHECK NUTS AND BOLTS FOR TIGHTNESS. | | | • | | | | |
| INSPECT HAMMER BARS FOR CRACKS OR EXCESSIVE WEAR. CHECK WEAR PATTERNS. REVERSE OR REPLACE BARS AS REQUIRED. | | | • | | | | PERFORM DAILY IF REQUIRED. |
| INSPECT APRON LINERS FOR EXCESSIVE WEAR, CRACKS OR LOOSENESS. | | | • | | | | |

*Note: Typical bearing temperature is about 140° to 150°F. Bearing temperatures of 165 to 185°F are considered higher than normal. Bearing temperature should never exceed 190°F.

**Warning:** Lockout/tagout power to crusher drive before performing any lubrication, maintenance, adjustment or repair procedures! Install rotor locking bolt to prevent rotor from turning. Shut-off fuel supply if crusher is powered by a diesel engine.

# Lubrication and Maintenance Schedule
# Horizontal Shaft Impact Crusher

| Maintenance | Daily Start-up | Daily Shutdown | Weekly | Monthly | Annually | As Req'd | Notes: |
|---|---|---|---|---|---|---|---|
| INSPECT FRAME LINERS FOR EXCESSIVE WEAR, CRACKS OR LOOSENESS. | | | • | | | | |
| CHECK CRUSHER FRAME FOR CRACKS, BROKEN WELDS, OR OTHER DAMAGE. | | | • | | | | |
| INSPECT FELT SHAFT SEALS FOR WEAR. | | | • | | | | |
| CHECK HYDRAULIC FEED PLATE OPERATION. (CRUSHERS EQUIPPED WITH HYDRAULIC FEED PLATE ONLY) | | | • | | | | |
| CHECK V-BELT TENSION. INSPECT V-BELTS FOR WEAR OR DAMAGE. | | | • | | | | |
| CHECK THAT SHEAVES ARE TIGHT AND PROPERLY ALIGNED. | | | • | | | | |
| CHECK DRIVE GUARD FOR TIGHTNESS AND PROPER INSTALLATION. | | | • | | | | |
| CHECK SUPPORT STRUCTURE FOR DAMAGE OR LOOSE MEMBERS. | | | | • | | | |

**Warning:** Lockout/tagout power to crusher drive before performing any lubrication, maintenance, adjustment or repair procedures! Install rotor locking bolt to prevent rotor from turning. Shut-off fuel supply if crusher is powered by a diesel engine.

# Lubrication and Maintenance Schedule
# Horizontal Shaft Impact Crusher

| Maintenance | Daily Start-up | Daily Shutdown | Weekly | Monthly | Annually | As Req'd | Notes: |
|---|---|---|---|---|---|---|---|
| INSPECT CRUSHER FEED CHUTE. REPLACE LINERS, CHAINS, OR RUBBER STRIPS AS REQUIRED (IF EQUIPPED). | | | | • | | | |
| CHECK CHUTES AND HOPPERS FOR WEAR. | | | | • | | | |
| CLEAN OUT ALL CHUTES, HOPPERS AND ROCK BOXES. | | | | | • | | |
| CHECK ROTOR SPEED AT FLYWHEEL. | | | | | | • | CHECK IF MOTOR OR SHEAVES ARE REPLACED. |
| LUBRICATE ROTOR BEARINGS. (1.0 TO 1.5 OUNCES OF GREASE – EACH FITTING) | | | | | | • | LUBRICATE EVERY 60 HOURS.* |
| LUBRICATE ELECTRIC MOTOR. | | | | | | • | REFER TO MOTOR MFG'R FOR INTERVAL. |

* Note: Actual lubrication interval and grease quantity may vary, depending on environmental conditions, crusher size, shaft speed and other factors.

**Warning:** Lockout/tagout power to crusher drive before performing any lubrication, maintenance, adjustment or repair procedures! Install rotor locking bolt to prevent rotor from turning. Shut-off fuel supply if crusher is powered by a diesel engine.