INCLUDE MANPOWER HOURS/COST (Number of People)

|  |  |
| --- | --- |
| TDS-TS-12-150 (Primary Shredder) | |
| Maintenance Task | Frequency of Task |
| Clean areas containing buildup of rubber dust, rubber chips, dust, wire, and textile. A vacuum should be used or any dust collecting equipment. | End of Workday |
| Inspect, document, and repair/replace the following components if necessary: Knife inserts, screens, belts, bolts. | Monthly or  Bi-Monthly |
| Inspect electrical components and connections with high weather exposure (if applicable). | Monthly or passing of inclement weather |
| Re-torque knife inserts and bolts. | Bi-Monthly |
| Inspection and cleaning of the water supply. | Monthly |
| Inspection of pneumatic connections and compressed air supply. | Monthly |
| **Recommended Predictive Maintenance** | |
| Use vibrational analysis technology in specified locations on equipment during operation. | Weekly |
| Use acoustical analysis technology in specified locations on equipment during operation. | Weekly |
| Use thermal analysis technology on motors during operation. | Weekly |

|  |  |
| --- | --- |
| WC-GR-12-50 (Secondary Shredder) | |
| Maintenance Task | Frequency of Task |
| Clean areas containing buildup of rubber dust, rubber chips, dust, wire, and textile. A vacuum should be used or any dust collecting equipment. | End of Workday |
| Inspect, document, and repair/replace the following components if necessary: fly knifes, bed knifes, rotor bolts, screen set. | Monthly or  Bi-Monthly |
| Adjust knife set orientation. | Monthly |
| Inspect electrical components and connections with high weather exposure (if applicable). | Monthly or passing of inclement weather |
| Re-torque fly knives, bed knives, and rotor bolts. | Bi-Monthly |
| Inspection and cleaning of the water supply. | Monthly |
| Inspection of pneumatic connections and compressed air supply. | Monthly |
| Inspect and clean electromagnet. | End of Workday |
| **Recommended Predictive Maintenance** | |
| Use vibrational analysis technology in specified locations on equipment during operation. | Weekly |
| Use acoustical analysis technology in specified locations on equipment during operation. | Weekly |
| Use thermal analysis technology on motors during operation. | Weekly |

|  |  |
| --- | --- |
| CR-CB-3.15-12 (Crumb Rubber) | |
| Maintenance Task | Frequency of Task |
| Clean areas containing buildup of rubber dust, rubber chips, and dust. A vacuum should be used or any dust collecting equipment. | End of Workday |
| Inspect, document, and repair/replace the following components if necessary: fly knifes, bed knifes, rotor bolts, screen set. | Monthly or  Bi-Monthly |
| Adjust knife set orientation. | Monthly |
| Inspect electrical components and connections with high weather exposure (if applicable). | Monthly or passing of inclement weather |
| Re-torque fly knives, bed knives, and rotor bolts. | Bi-Monthly |
| Inspection and cleaning of the water supply. | Monthly |
| Inspection of pneumatic connections and compressed air supply. | Monthly |
| **Recommended Predictive Maintenance** | |
| Use vibrational analysis technology in specified locations on equipment during operation. | Weekly |
| Use acoustical analysis technology in specified locations on equipment during operation. | Weekly |
| Use thermal analysis technology on motors during operation. | Weekly |

|  |  |
| --- | --- |
| RP-KB-1.5-850 (Mill) | |
| Maintenance Task | Frequency of Task |
| Clean areas containing buildup of rubber dust and dust. A vacuum should be used or any dust collecting equipment. | End of Workday |
| Inspect, document, and repair/replace the following components if necessary: 16” roll, 22” roll, bolts. | Monthly or  Bi-Monthly |
| Inspect electrical components and connections with high weather exposure (if applicable). | Monthly or passing of inclement weather |
| Re-torque bolts. | Bi-Monthly |
| Adjust roll orientation. | Monthly |
| Inspection and cleaning of the water supply (if applicable). | Monthly |
| Inspection of hydraulic connections and components. | Monthly |
| Inspection of pneumatic connections and compressed air supply. | Monthly |
| **Recommended Predictive Maintenance** | |
| Use vibrational analysis technology in specified locations on equipment during operation. | Weekly |
| Use acoustical analysis technology in specified locations on equipment during operation. | Weekly |
| Use thermal analysis technology on motors during operation. | Weekly |

Maintenance Notes

Most maintenance procedures will be taught by ECO Green during the equipment operation training. Maintenance plans/ideas may also be suggested by ECO Green that are not listed here. This maintenance plan is based on research of similar equipment and personal insight. Many types of predictive maintenance technologies exist that are not listed. These include but are not limited to:

* Recording tilt of high vibration areas
* G-force max and average sensors
* Pressure analysis technology
* Motor circuit analysis
* Internet of Things Devices

INCLUDE MANPOWER HOURS/COST