

## **Metso HP400 Refurbished Cone & Chassis Unit #1200**

**#2055/0286R-0302**

### **Equipment As Follows:**

**Nordberg HP400 Cone Crusher**, The heart of the plant is the high performance HP Series cone crusher. Designed for portable installations, this cone crusher is the most compact, economical to operate and productive machine in its class. The HP Series offers substantially higher production capacity over traditional cone crushers. It also provides excellent product shape, making it suitable for both secondary and tertiary crushing.

Equipped with manganese steel crushing members, bronze bearings and replaceable main frame seat liners. Features include hydraulic bowl clamping and adjustment, automatic tramp iron release and hydraulic clearing of the crusher chamber. Remote control station mounted to side of plant allows convenient operation for adjusting the closed side setting, or for clearing the crusher.

Additional HP cone features include a package lubrication system consisting of an internal independent pump, oil pressure sensor, temperature sensor, oil tank with strainer, oil level sensor, (2) oil heater with control panel, oil filter and oil cooler (air-radiator type), and crusher tools.

### **Refurbished HP400 SX Nordberg Cone Crusher**

- **NEW** Mainframe Assembly **See Attachment**
- **NEW** Countershaft Box Casting, Frame ring, O-ring, Wear Ring and Guard
- **NEW Counterweight Guard**
- Head **Welded and machined to new specifications**
- Eccentric and Pinion **Near new condition.**
- Bowl Assembly **Threads in as new condition, Inner Bowl welded + Machined to new specifications.**
- Hydraulic bowl clamping and adjustment
- Hydraulic clearing of crushing chamber



- Automatic tramp iron release
- Bronze Bushings
- **NEW** Independent Lubrication Tank system consisting of independent pump, oil pressure switch, oil temperature switch, oil tank with strainer, oil level gauge, thermometers, Oil heaters and Oil filter
- **NEW Crusher Hydraulic System** consisting of independent pump, oil pressure switch, oil temperature switch, oil level gauge, thermometers, Oil heaters and Oil filter
- **NEW** Radiator Type oil cooler
- Ductile iron crusher sheave
- Ductile iron motor sheave
- Manganese steel crusher Liners of Choice
- Crusher feed basket with Overflow Chute
- V-Belts

400 HP, 1800 RPM, 460 volt, 3 phase, TEFC crusher motor

## **NEW BEARINGS and SEALS**

### **42" Rear Discharge Conveyor**

- **REFURBISHED** 20 HP, 1800 RPM, TEFC Drive Motor **New Bearings and Seals**
- **NEW** Master PT Size 5 Gear Box
- **NEW** V-Belts
- **NEW** Motor sheave
- **NEW** Superior CEMA C-5 Channel Mount 20 Degree Idlers
- **NEW** 12 x 44 Crown Faced Wing Pulley XT30 Hub
- **NEW** 12X44 Crown Faced Drum Pulley, XT30 Hub
- **NEW** Superior belt scraper
- **NEW** Conveyor Belt, 330 PIW with 3/16" x 1/16" covers
- **NEW** Conveyor Belt Take-Ups

## Heavy Duty Chassis

- Triple axle
- Budd type wheels,
- **NEW** Twelve 11R x 22.5 Tires
- Air brakes, for semi-trailer towing
- Under crusher rock box
- Observation platform with ladder
- Crusher platform
- Hydraulic adjustment for V-belt adjustment
- (6) 18" Hydraulic Jacks, **REBUILT**
- **NEW** Honda 13 HP gas powered hydraulic unit
- Drop down adjustable king pin cribbing support
- Toolbox
- Travel lights
- Mud flaps

## NEW ELECTRICAL

- NEMA 4 enclosure
- Enclosure is bolted to a steel support frame for setting on grade during operation
- Lifting eyes
- Connected to plant with 15' of cable to allow the customer to position the enclosure
- Door interlocked disconnect linkage
- Warning horn
- Square D circuit breakers

- Square D NEMA rated starters
- Discharge Conveyor – 20HP
- Crusher lube pump – 10HP
- Crusher lube oil cooler – 7.5HP
- Crusher hydraulic pump – 10HP
- Crusher motor – 400HP/1800RPM
- Crusher is controlled by a WEG soft start
- Door mounted amp meter for crusher amperage
- Hour meter
- Pushbutton start/stop control
- Fork Pockets on Support Frame



