

## GreyHawk Metso C3054 Portable Jaw Crusher Unit #1397

#1290/16096/2404

Hours: 506

Equipment As Follows:

The Nordberg C3054 is an efficient primary jaw crusher for quarries, gravel pits, mines and recycling. Mounting of the crusher is made without a bolted connection to the foundation. The main frame of the crusher is made of rolled steel side plates and two steel castings, connected through precision machined bosses and held together by large diameter bolts. The pitman and the front and rear frame castings are made from high-quality steel with excellent fatigue strength. There are no welded joints in the frame. The frame can be completely disassembled for transportation if necessary. The eccentric shaft bearings are long-life grease lubricated spherical roller bearings and are all of the same size. The discharge setting is easy to adjust utilizing the push button hydraulic adjust, by means of moving wedges. The toggle plate operates on a rocking principle without any lubrication and serves as an overload fuse. The crusher's jaw dies are of high-manganese steel castings, and the cheek plates of high abrasive-resistant steel plate. The jaw dies can be reversed for maximum utilization. Tools for jaw die changes are included with the jaw crusher.

Nordberg C3054 Jaw Crusher

- Hydraulic setting adjustment – Hydraulic Power Unit 480/115V/60Hz
- Jaw Profile – Quarry, protection plate – front frame & pitman

Support Brackets – Installation angle -6 degrees

- Drive on left side (viewed from the fixed jaw end)
- Flywheels – 9 x 8 V grooves
- Motor - WEG 200HP / 1200 RPM
- Drive Equipment – Integral motor support
- Guards

Metso 52" x 20' Vibrating Grizzly Feeder

- 14' Pan with replaceable ¾" AR steel liners
- One 6' grizzly section, with adjustable bars
- ½" Quick Change AR side plate liners



- Adjustable side plate liners allow the customer to adjust the gap between the side plate and the hopper
- VL-11 Vibrator, oil lubricated with (2) eccentric shafts and (2) wide faced helical gears (4-110mm, 23 series bearings)
- Mounted on steel coil springs at 0 degrees
- Motor sheave, and v-belts
- WEG 40HP 1800RPM TEFC
- Rosta Style motor base

#### GreyHawk Chassis

- Main Chassis
  - o 24" mainbeam
  - o Quad-axle 30k Suspension with 49-1/2" axle spacing
  - o Qty 16 Michelin 315/80 R22.5 tires on hub piloted wheels
  - o Air controlled brakes on all axles
  - o LED side marker and tail lights
  - o Fold down kingpin supports
- Feed Hopper
  - o Hopper walls made from 3/4" A36 steel plate and are reinforced with manufactured beams and channel
  - o Two piece design
  - o Hydraulic lift off feeder
- (4) outriggers
- (1) 13HP Honda power unit that travels with the feeder
- 12VDC controlled hydraulic valve bank
- Wireless remote/transmitter
- GreyHawk 60" Under-crusher Folding Conveyor with Wrap-Drive
  - o 8" channel bridged truss design

- o Superior 5" CEMA C channel mount idlers
- Superior 5" CEMA C channel mount impact idlers in high impact areas
- o Superior 5" CEMA C rubber cushion return idlers
- o Superior Exterra belt scraper
- o Superior Powerfold
- o Two foot impact bed at crusher discharge with Argonics impact bars
- o 12" tube in tube take-ups
- o 3 ply, 1/4 top cover conveyor belting
- o Hinged tail section
- o Head Pulley
- o Superior 16"x63" drum pulley
- o XT50 hubs
- o 3-7/16" pillow block bearings
- o Drive Pulley
- o Superior 16"x63" vulcanized drum pulley
- o XT50 hubs
- o 3-7/16" pillow block bearings
- o Powertorque shaftmount reducer
- o WEG 30hp motor
- o Snub Pulley
- o Superior 14"x63" chevron wing pulley
- o XT40 hubs
- o 2-15/16" pillow block bearings
- o Tail Pulley
- o Superior 14"x63" chevron wing pulley
- o XT40 hubs

- o 2-15/16" pillow block bearings
  - Rockbox
- o Made from ¾" AR400 steel plate
- o Two rows of reinforcing 6" structural channel
  - Bypass Chutes
- o Upper chute is made from ¼" plate, slides in/out hydraulically for crusher maintenance
- o Lower chute is made from ¼" plate and is bolted in to the main chassis
- o All chutes are lined with 1" thick bolted in black polyurethane

#### Electrical:

- NEMA4 electrical 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
  - Crusher is controlled by a WEG soft start
  - Feeder is control by a WEG variable frequency drive
  - Door mounted amp meter for crusher amperage
  - Hour meter

#### Hydraulics:

- 13HP Honda gasoline engine with electric start and backup recoil start
- (6) Hydraulic jacklegs with lock-out valves
- 6" diameter
- 18" stroke cylinders

- The hydraulic jack assemblies are designed for service as a “Run-on” jack, however, we highly recommend the use of cribbing to properly support the portable chassis
- Six bank valve body for independent control of each jackleg
- Single bank valve body for independent control of bypass chute adjustment
- Single bank valve body for folding conveyor head section

#### Safety Guards:

We install all standard guarding, customer will be responsible for compliance with local codes.

#### General:

- Chassis to be sandblasted, one coat two part epoxy primer and two part urethane finish painted one coat GreyHawk beige with orange and grey highlight stripe on the trailer frame beams.
- (2) sets of owners/parts manuals.

#### On-Site Start-up, Training and Warranty Commissioning

- RB Scott will supply a field service technician to complete startup



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