

GreyHawk C130 Jaw Plant Unit #1581

#1326/39886/5011

Equipment As Follows:

The Nordberg C130 primary jaw crusher is the latest addition to the successful Nordberg C Series Jaw Crusher Range. The steep nip angle and excellent kinematics ensure aggressive crushing along the length of the crushing cavity. The 39' x 51' x 88" long cavity excels at crushing coarse, hard rock that reduces the need for a fine blast pattern or the frequent use of a hammer.

Equipment details provided on the following pages

GREYHAWK PORTABLE C130 CHASSIS

1. MAIN CHASSIS

- Heavy duty mainbeam
- 5 axle air ride suspension spring suspension with 30k axle rating
- Qty 20 11R22.5 tires on hub piloted wheels
- Air controlled brakes on all axles
- LED side marker and tail lights
- Fold down kingpin supports
- Maintenance and observation platforms

METSO 52" x 24' VIBRATING GRIZZLY FEEDER

- 16' Pan with replaceable ¾" AR steel liners
- Step Deck Grizzly with Fabricated Steel Grizzly Bars at 4" spacing
- Adjustable side plate liners allow the customer to adjust the gap between the side plate and the hopper
- VL-14 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 50HP 1800RPM TEFC

- Custom pivot base

1. HEAVY DUTY FEED HOPPER

- Hopper walls made from 3/4" A36 formed steel plate and are reinforced with formed "C" channel
- Two-piece design
- 1/2" AR400 plug welded liners
- Wing walls on both side and rear of the hopper made from 1/2" A36 formed steel plate. Hydraulic fold for travel and operation
- Wing walls are lined with 1/2" AR400
- Hydraulic Lift Off Feeder Assembly
 - (4) outriggers
 - 13HP Honda power unit that travels with the feeder
 - 12VDC controlled hydraulic valve bank
 - Wireless remote/transmitter

1. CRUSHER FEEDBOX

- Made from 3/4" A36 steel plate
- 1/2" AR400 wear plates
- Includes Cavity Level Sensor

1. BYPASS CHUTES

- Upper chute is made from 1/4" plate and is bolted in to the main chassis
- Lower chute is made from 1/4" plate and is bolted in to the main chassis
- All chutes are lined with 1" thick bolted in black polyurethane

1. UNDERCRUSHER CONVEYOR-60"

- Unistrut frame design
- Superior 5" CEMA C channel mount idlers
- Superior 5" CEMA C channel mount impact idlers in high impact areas
- Superior 5" CEMA C rubber cushion return idlers
- Superior Exterra belt scraper
- Two foot impact bed at crusher discharge with Argonics impact bars
- 12" tube in tube take-ups
- 3 ply, 1/4 top cover conveyor belting
- Head Pulley

- Superior 16" vulcanized drum pulley
 - XT40 hubs
 - 3-7/16" pillow block bearings (S2000)
 - Master PT shaft mount gearbox
 - WEG 30hp motor
- Tail Pulley
 - Superior 12" wing pulley
 - XT40 hubs
 - 2-15/16" flange mount bearings

6. ELECTRICAL

- NEMA 4 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
- Circuit breakers
- NEMA rated starters
- Crusher is controlled by a soft start
- Feeder is control by a VFD
- Door mounted amp meter for crusher amperage
- Hour meter
- Pushbutton start/stop control

7. HYDRAULICS

- 13HP Honda gasoline engine with electric start and backup recoil start
- (6) Hydraulic jacklegs with lock-out valves, 6" diameter, 18" stroke
- 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 to raise/lower the discharge conveyor tail section

8. SAFETY/GUARDING

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

9. GENERAL

- Paint
- (2) sets of owners/parts manuals

- Sandblasted
- Two-part epoxy primer
- Two-part urethane topcoat
- Chassis Color-GH Beige
- Handrail & Guarding Color-GH Orange
- Decals-Orange & grey striping

Crusher Details

Jaw die configuration-Single piece jaw dies

- Faster jaw die replacement - less downtime
- Fewer parts - center wedges not required
- Easy to install - suitable for limited maintenance space, mobile applications

Jaw die fixing hardware-Conventional

Setting adjustment-Hydraulic

Crusher closed side setting is adjusted with hydraulically operated wedges by moving the wedges in or out with hydraulic cylinders. Provides stepless setting adjustment. Quick, easy and safe. Preferred especially in case crusher setting is adjusted often due to need of wear compensation or for any other reason.

Support brackets-Standard

C130 utilizes the damper design shown in the picture 2. Vulcanized rubber between two rigid steel plates makes it possible to carry both horizontal and vertical loads with single component. This design makes the crusher run smoothly and absorbs momentary force spikes.

Protection plate for pitman

The pitman protection plate is additional protection for the crusher's pitman

Protection plate - front frame

The front frame protection plate for additional protection for the crusher's front frame



Lifting tools for toggle plate Tool kit, Maintenance and service

Lifting tools for cheek plates Lifting tools for jaw dies

All Nordberg C Series jaw crushers are delivered with safe to use tools for service and maintenance

Drive Equipment

Drive side- Left

Groove type-8V

Motor base-Integral w/o support bearings

The integral motor support is easy to assemble, maintain and service. It decreases installation space requirements as well as costs and increases V-belt lifetime. It rests in the back of the main frame and is attached to the crusher by means of bolts.

Guards-Metso beige

C Series jaw crushers are equipped with durable composite flywheel/drive guards for safety reasons. The guards are easy to open for inspection/maintenance.

Motor

Crusher drive motor-Not included

Motor- 250HP/1200RPM WEG motor

Included Options

Manual greasing hoses-Grease distributor and hoses

Manual centralized lubrication of the crusher main bearings (all models) and also for optional support bearings in the motor base if chosen (models C130, C150 & C160). The equipment includes a grease distributor and all necessary hoses between the distributor and crusher main bearings and support bearings. Greasing through the distributor and hoses can be automated by selecting the separate option "Automatic lubricating device".

Drillings for temp. sensor

Four drillings for temperature sensors. On the pitman (2 pcs.) and crusher frame bearing housings (1 / each).

Jaw maintenance platform

Lightweight, adjustable and easy to handle maintenance platforms for making the jaw liner and cheek plate changes easier and safer.

Finishing

Color-Metso beige

Surface finishing is according Metso's D1.1-BG standard. This specifies that the finishing shall be one coat painted with nominal dry film thickness of 90um. The coating shall be done with polyurethane paint.



