

## Used GreyHawk Metso HP400RFSD Unit #1599

#10113032-7078

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.

The crusher uses 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 switch, temperature switch, oil tank with strainer, oil level gauge, thermometers at three locations, (2) oil heater with control panel, oil filter and oil cooler (air-radiator type), and crusher tools.

### Motor

WorldWide Crusher Drive Motor 400 HP, 1800 RPM, 460 Volt, 3 Phase, 60 Hz, TEFC Crusher Duty, including motor platform with hydraulic slide motor base. Motor guard with removable panel for easy sheave changes.

The Crusher Feed Basket is a weldment which sits over the feed opening, it directs material into the crusher feed opening and reduces spillage. The feed basket is made of 1/4" mild steel with a 3/8" base plate. Windows allow the operator to view the material level in the feed basket. The feed basket is typically removed for highway towing.

The Overflow Chute is a steel trough that bolts to the side of the crusher feed basket. When an overflow condition occurs, the excess is directed to a discharge conveyor, bypassing the crusher. The chute is 17" wide and constructed from 1/4" mild steel. Because overflows should be rare occurrences, AR liners are not required or offered.

The Feed Basket Overflow confines the material to the crusher feed opening. Overflow material is directed to the discharge conveyor.

#### 42" Rear Feed Conveyor (C-1)

C-channel frame equipped with Superior impact idlers in the impact zone, Superior 5" CEMA 'C' channel frame idlers, Superior 12" x 44" vulcanized head pulley, XT30 Hubs, 2-15/16"/ 2-7/16" shaft, 2-15/16" Pillow block bearings, Powertorque 415 shaft mount reducer, WorldWide 20 HP, 1800 RPM, TEFC drive motor, 12" x 44" wing type tail pulley, XT30 Hubs, 2-15/16" shaft, 2-15/16" Pillow block bearings with telescoping tube takeups, Superior 5" CEMA 'C' Moxie return idlers, return roll guards, Superior 5" CEMA 'C' return belt plow, skirt plates with skirtboard rubber, 60" wide receiving hopper and 3 ply 3/16" x 1/16" conveyor belting. Including 3/8" AR Steel liners.

- This feed conveyor features a hydraulic folding cam arm support for raising for operation and lowering for the transport or maintenance position.

#### 48" Side Discharge Conveyor (C-2)

C-channel frame equipped with Superior 5" CEMA 'C' channel mount idlers, Superior 12" x 44" vulcanized head pulley, XT30 Hubs, 2-7/16" / 2-7/16" Pillow block bearings, Powertorque 415 shaft mount reducer, WorldWide 15 HP, 1800 RPM, TEFC drive motor sheaves, V-Belts and motor V-Belt guard, Superior 12" x 44" wing tail pulley, XT 30 Hubs, 2-7/16" shaft with Dodge SCM wide slot takeup, Superior 5" CEMA 'C' Moxie return idlers, return roll guards, return belt plow, Superior live shaft belt alignment rubber disc rollers, skirt plates with skirtboard rubber, 3 ply 3/16" x 1/16" conveyor belting, and Superior Exterra belt scraper system.

- This side discharge conveyor features a hydraulic fold as standard equipment. A hinged access door provides easy access to the under crusher rock box.

#### GreyHawk Heavy Duty Chassis

24" 84# Mainbeam with Triple-Axle Hutch Suspension 49.5 inch centers, equipped for semi-trailer towing with 11:00 R 22.5 tires on Budd type wheels, air-controlled brakes, fifth wheel kingpin, conveyor supports, travel lights, reflectors, mud flaps, and heavy-duty removable bumper/light bar. Machinery platform with handrails, and operators platform.

Electric Starters, Wiring and Controls - 5' x 5' x 12" electrical enclosure with structural support to set on grade during plant operation. The enclosure is connected to the plant with 15' electrical cable. The enclosure has a main inlet line surge arrestor, warning horn, lifting eyes and main circuit breaker with door interlocked disconnect linkage. All on-plant equipment is controlled by

NEMA rated starters that are mounted in a separate remote-control panel. Crusher motor is controlled by a digital solid state reduce voltage starter (soft-start). All push buttons, pilot lights and E-stop switches are heavy duty, 30mm, oil and dust tight devices, and includes an hour meter located inside the enclosure and a door mounted amp meter for crusher amperage.

**Included Options:**

**Adjustable king pin support** - Adjustable tubular supports reduce the amount of blocking required in the kingpin area during plant operation, which simplifies set up and tear down. The kingpin supports are lifted and pinned for towing to clear the semi-tractor.

**Power hydraulic raise and lower** - Six tube in tube style heavy duty run-on jacklegs, with 6" diameter x 18" stroke cylinders to lift the plant into the operating position. Each cylinder is independently controlled from a hydraulic valve for precise control and ease of leveling. The hydraulic system is powered by an 11 HP Honda gasoline engine with electric start and backup recoil start.



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