

Superior Guardian 6x20 Tandem Screening Plant, Unit #909

#1438042

Carrier chassis

- Main frame constructed of wide flange structural steel beams
- Split Quad axle with (16) 11x22.5 radial tires, 4' - 8' - 4' Spacing
 - complete air brake system
 - mudflaps on rear axle
- Travel lights with brake and directional signals
- Fifth wheel hitch
- (8) fixed, structural steel cribbing legs
- (2) swing down king pin supports
- Common Grease points - 1-2 locations to grease entire plant

(2) Superior Guardian 6203 Horizontal Vibrating Screen

- Supply and Installation for a 6x20 3 deck, all pertinent items and components including:
 - adjustable motor base, motor sheave, screen sheave, v-belts, drive guard
 - Screen and all pertinent items and components are supplied by Superior
- Price includes the following items:
 - 40 HP TEFC, 1200 RPM, 460 volt, 3 phase, 60 hz, screen drive motor
 - screen subframe
- Screen is installed to operate in the horizontal position
- (1) Right hand drive (1) Left hand drive
- Side tension on bottom deck
- Vertical dampening system

Screen discharge chutes

- Fixed chutes
- Constructed of 1/4" Mild Steel with 1/4" AR liners
- Top deck chute discharges onto top deck cross conveyor or down to Middle deck cross conveyor
- Middle deck chute discharges onto middle deck cross conveyor, blends down to bottom deck cross conveyor
- Bottom deck chutes discharges onto bottom deck cross conveyor, or down to fines conveyor

Fines hopper

- AR liner not included

- adjustable rubber flashing full length

(3) 42" wide x 12' long reversing cross conveyors

- Structural steel channel main frame
- Mounted on angle iron slide track to manually move to discharge from either side of chassis
- Receive oversize material from respective middle and bottom decks
- Class II head end drive
- 5 HP motor, v-belt drive with drive guard
- Dodge shaft mount reducer
- Head pulley - 10" diameter drum, crown face, 3/8" diamond lagging
- Tail pulley - 10" diameter wing pulley
- Shafts - turned and polished
- Dodge bearings
- Manual screw take-ups
- Carry idlers - C5, 20 degrees trough, channel mount, spaced 26" OC
- Belting - 2 ply, 3/16" x 1/16" 220 PIW
- Belt splice - steel mechanical fasteners
- Primary belt scraper - Exterra® Belt Cleaner
- Cassette style cross conveyor set up

(2) 24" fines conveyors (reversible) for primary screen

- Structural steel channel main frame
- Discharges material to off plant conveyor or to fines conveyor on secondary screen
- Class II head end drive
- 10 HP motor, v-belt drive
- Dodge shaft mount reducer
- Head pulley - 12" diameter drum, crown face, 3/8" diamond lagging
- Tail pulley - 12" diameter drum, crown face, 3/8" diamond lagging
- Shafts - turned and polished
- Dodge bearings
- Manual screw take-ups
- Carry idlers - C5, 20 degrees picking, channel mount, spaced approximately 27" OC
- Return idlers - C5, flat rolls, spaced 10' OC
- Belting - 2 ply, 3/16" x 1/16" 220 PIW
- Belt splice - steel mechanical fasteners
- (2) Primary belt scraper - Exterra® Belt Cleaner
- Fixed Chutes to direct material onto each cross conveyor

60" fines conveyor

- Structural steel channel main frame
- Discharges to off plant conveyor
- Class II head end drive
- 20 HP motor, v-belt drive
- Dodge shaft mount reducer
- Head pulley - 12" diameter drum, crown face, 3/8" herringbone lagging
- Tail pulley - 12" diameter Chevron® wing pulley
- Shafts - turned and polished
- Dodge bearings
- Manual screw take-ups
- Carry idlers - C5, 20 degrees picking, channel mount, spaced approximately 27" OC
- Return idlers - C5, flat rolls, spaced 10' OC
- Belting - 2 ply, 3/16" x 1/16" 220 PIW
- Belt splice - steel mechanical fasteners
- Primary belt scraper - Exterra® Belt Cleaner

Walkway

- 3/16" diamond tread plate along both sides and feed end of screen
- Includes toe board, and two-rail handrail, bolt on
- Walkway access on both sides of the chassis with steep angle stair access
- Drain holes

Hydraulic "lift only" leveling jacks

- (8) 6" x 20" hydraulic cylinders
- (8) manual lever valves; (1) for each cylinder
- 13HP Honda Motor gasoline over hydraulic, enclosed cabinet

Overhead Safety tie off

- Safety tie off over plant for workers to tie off when working on screen
- Folds down for transport

Electrical control panel

- NEMA 4 enclosure and NEMA SQUARE D electrical components
- Wired to on-plant motors
 - (2) 40 HP screen drive motor
 - (1) 15 HP fines conveyor drive motor
 - (2) 10 HP fines conveyor drive motor

- (6) 7.5 HP reversing cross conveyors
- (2) Screen Amp guage on outside of panel
- Hour meter inside panel
- Warning horn and light
- Labelled start/stop pushbuttons and E-stop pushbutton mounted on door of electrical panel
- Mounted on skid frame with lifting eyes
- Power cables from motors to place panel 30' from plant,
- Painted to match plant
- (2) Additional #2 starters for off plant conveyors

Electrical

- Required power is 480 v/ 3 ph / 60 hz
- Control panel and wiring are included

Guarding

- Price includes standard guarding
- Customer is responsible to have guarding inspected

Paint

- (1) coat primer; (1) finish coat enamel available in Superior Beige with Yellow Guarding

Owner's manual

- (1) copy included for operation and maintenance

