



## **Superior Guardian 7x20 3-Deck Unit #1163/1255**

**#SN 1948853/2053814**

**ON LEASE**

**PRICE: \$329,900.00**

### **Equipment As Follows:**

Superior Guardian 7x20 3 Deck Horizontal Screen SN 2053814

#### 1. Unit Specifications

Screen size-7'x20' three deck triple shaft horizontal screen

Slope angle-Set at true horizontal (0 degrees)

Movement-High G-force screen with adjustable speed and stroke

Bearings-190mm spherical roller bearings with 38 gears

Springs-Standard coil springs

Suspension Damper-VS2 system

Motor Base-Slide adjustment motor base [less motor]

Body Construction-Huck bolted body constructed of 5/16" structural steel side plates

Discharge lips-6" discharge lips with 1/4" AR liners

Feedbox-24" feedbox with 1/4" AR liners

Inspection Ports-Bolt-on inspection ports and spray hole knockouts

Shaft Housing Protection-Standard mild steel protection clamped to shaft housing

Paint-Superior Class 1 - (1) coat primer; (1) top coat enamel, Greyhawk Beige 12-01156 for screen box and base frame (if included), and motor base

## 2. Drive Specifications

Drive-Right hand drive (standard)

Motor-50 HP, TEFC, NEMA Premium "Design C"

V-Belt Drive-With drive guard and tension system

Tuning Kit-Tuning kit included

Voltage-460 v / 3 ph / 60 hz

## 3. Top Deck Specifications

Top Deck-4' heavy crown deck, with thicker longitudinal bars: Max feed size is 14"

Screen media-Supplied and installed by customer

Take Up-Standard take up rails

## 4. Second Deck Specifications

Second Deck-Heavy x-brace single crown deck to accommodate 4' single crown wire cloth media sections

Screen media-Supplied and installed by customer

Take Up-Standard take up rails

## 5. Bottom Deck Specifications

Bottom Deck-End Tension Bottom Deck

Screen media-Supplied and installed by customer

Take Up-Standard take up rails

Superior Chassis SN 1948853

## 1. Plant Specifications

**Construction-** Main frame constructed of wide flange structural beams

**Discharge chute-** Manual rollaway chute constructed of ¼" structural steel with ¼" weld-in AR 400 liner

**Blending capacity-** ¼ panel blending gates in discharge chute system

**Top deck discharge-** over the kingpin or blends down to middle deck cross conveyor

**Middle deck discharge-** To middle deck cross conveyor or blend down to bottom deck cross conveyor

**Bottom Deck Discharge-** To bottom deck cross conveyor or blend up to middle deck cross conveyor

**Walkway-** Walkway around both sides and feed end of screen: extends out to the end of the discharge chute, manually folds one side (non-drive side)

**Walkway access-** Access to both sides of chassis with (2) removable aluminum ladders

**Access gates-** Self closing hinged gates at all walkway access points

**Handrail-** Welded square handrail with toe kicks

**Grease package-** Remote grease station, multiple grease points outside of chassis frame

**Cord holders-** Round pipe with end disc style cord holders welded to chassis frame

**Safety tie off-** Overhead safety tie off posts with cable between two posts

**Paint-** Standard Superior paint - Superior Beige 12-00619 w/ yellow guarding

**Guarding-** For all drive and tail pulleys, guards may not meet all local codes; customer is responsible to have guarding inspected

## 2. Chassis Specifications

**Axle-** Tandem axle with (8) 11Rx22.5 radial tires

**Suspension-** Spring suspension

**Brakes-** Complete air brake package

**Fifth wheel-** Included

**Lights-** Brake and directional signals

**Mud flaps-** Installed behind transport wheels

**Cribbing legs-** (4) fixed structural steel cribbing legs

**Landing gear-** Hydraulic lift-only leveling legs with 9 HP Honda Power Unit

### 3. Fines Hopper and Conveyor

Hopper Construction- 1/4" AR plate steel sides

Fines Hopper Liner- Under-screen hopper side wall lined with rubber wear liners

Gathering Trough- Full length with adjustable rubber flashing

Conveyor Size- 60" wide fines discharge conveyor

Conveyor Construction- Structural steel channel main frame

Drive- Class I head end

Gear reducer- Dodge shaft mount

Motor- 15 HP TEFC

Drive pulley- 12" diameter, 3/8" herringbone lagged MD drum

Tail pulley- 12" diameter, CEMA Chevron® wing pulley

Bearings- Dodge

Trough idlers- CEMA C, 5" dia. Rolls, sealed for life ball bearings

Returns- CEMA C, 5" dia. Steel rolls on 10' spacing

Belting- 3 ply 3/16 x 1/16 330 PIW

Belt splice- Factory installed Flexco mechanical fastener

Belt scraper- Superior Exterra® primary belt scraper

### 4. Cross Conveyor Specifications

Cross Conveyors- (2) 30" x 12' long slide-in reversing cross conveyors

Drive- Class I head end

Gear reducer- Dodge shaft mount

Motor- 7.5 HP motor(s) TEFC

Drive pulley- 10" diameter, 3/8" diamond lagged MD crown faced drum

Tail pulley- 10" diameter CEMA wing pulley

Bearings- Dodge SCM

Idlers- CEMA B, 5" dia. Rolls, sealed for life ball bearings, 20°

Belting- 3 ply 3/16 x 1/16 330 PIW

Belt splice- Factory installed Flexco mechanical fastener(s)

Belt scraper- (1) Exterra Primary scraper per cross conveyor

## 5. Electrical Specifications

Voltage- 460 v / 3ph / 60 hz

Panel enclosure- skid mounted panel, with lifting eyes. Travels on plant and removed for operation

Components- NEMA components, with start/stop push buttons, amp meter, hour meter and warning light

Starters- starters for all on plant motors and (2) additional #2 starters (up to 25 HP motors)

Wiring- factory supplied and installed wiring from panel to all on board motors. Customer responsible for wiring power into control panel, and additional starters

## 6. Paint

GreyHawk Beige 12-001156 with yellow guarding

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

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

