SCPM QUARRY AND MINING SERVICE LTD

OVERSEAS HOUSE 66-68 HIGH ROAD
BUSHEY HEATH HERTFORDSHIRE
WD23 1GG
ENGLAND…. REGISTRE COMPANY NO. 7309579
www.scpm-international-concassage.com

MINING EQUIPEMENT

BROYEUR A BOULET/ BALL MILL.
STOCK LISTE.

12.5x16 ft. Nordberg Ball Mill w/ 1250 HP

- General Electric 1,250 HP, 4160 volt, 200 RPM synchronous motor
- 1 piece Shell, 2 in. thick
- Rubber liners (worn) and a grate discharge
- No signs of bolt elongation or evidence that shell or heads have significant wear
- Air clutch with air compressor and air tank
- Lube system with multiple motors and 50 gallon lube tank
- Farval Gear Lube System
- Bull gear, 2 piece, single helical cut, 25 in. gear face
- Electricals include Motor Control Center with Toshiba Medium Voltage Ball Mill Starter Panel, 4160V, JK Series and a Westinghouse Series 2100 MCC 45 Panels Sections 1, 2, & 3 for low voltage power for the lube pumps, etc.

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PIGNION

PANEL CONTROL

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MINING EQUIPEMENT
BROYEUR A BOULET/ BALL MILL.
STOCK LISTE.

12 x 14 ft Marcy Ball Mill with 1500 HP

MIll:
- Grate Discharge - Type R.H.
- Gear - SIngle Helical R.H. 256T, 1.25 D.P., 21" face
- Pinion - Single Helical L.H. 18T, 1.25 D.P., 21" face
- Air Clutch - Fawick 38 VC 1200
- 290,800 Lbs mill only
- 191,500 Lbs Grinding Charge
Motor:
- 1500 HP G.E. Synchronous, 240 RPM
- 4000 V, 3 PH, 60 HZ
- Type TS
- 30 poles
- Arm Amp 214
- Field Volt 250
- Field Amp 75
- PF 8
- Insul Class B
- Temp Rise C = 70 @ 4500' Alt
- Air Gap 150

During September and October of 1913, F.E. Marcy undertook tests at the Butte and Superior Plant in Butte, Montana, to compare cylindrical and conical mills on a laboratory scale. The results convinced Marcy that cylindrical mills were the future of mining and propelled his company and the Marcy ball mills into an increasingly competitive market for mineral grinding equipment. Marcy saw that all overflow discharge mills tended to overgrind their mineral content, leading to unnecessary sliming. He worked to improve size reduction through better hydraulic classification circuits and became known for the specialized discharge grates his company pioner

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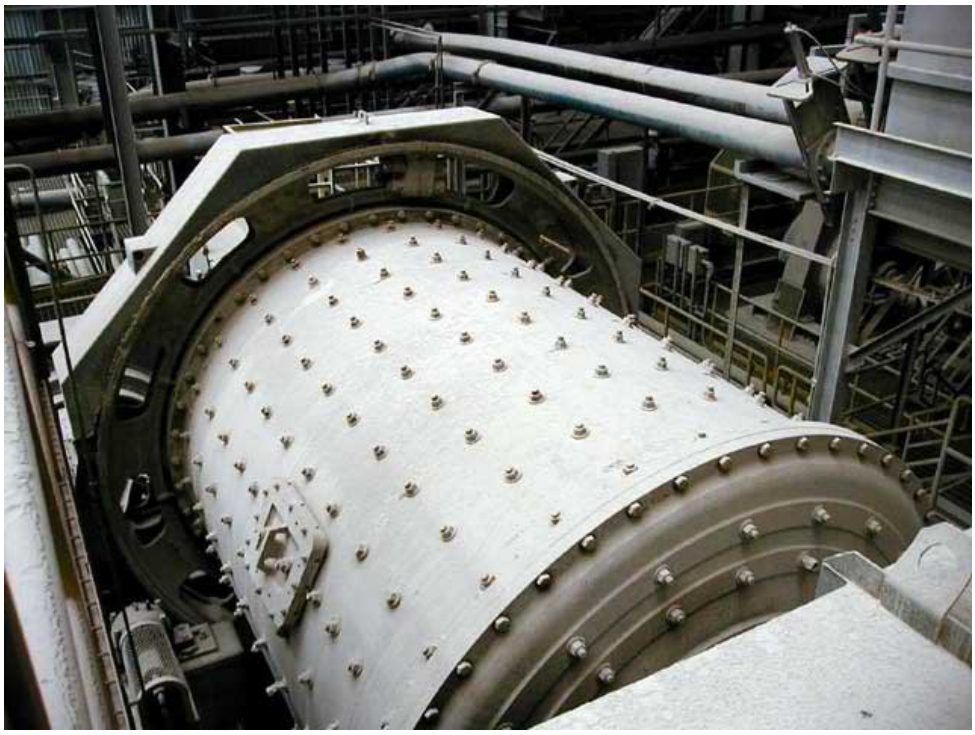

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MINING EQUIPEMENT
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11 X 14 ft. Dominion Engineering Overflow Grinding Mills w/800 hp

- 11’ diameter x 13’9” length
- S/N 34D-151-05 and 34D-151-06, manufactured 1955
- Shell speed 14.8 RPM
- Main Gear 364T x 2" x 24" face
- Pinion 29T x 2" x 24" face
- 800hp GE Wound Rotor Induction Motor, 2200V, 185A, Type MT, 17C Frame, 885rpm, 3ph, 60hz
- Dominion Engineering Model SR-26 Gear Reducers - 4.03:1
- Spare motor and gearbox also available at additional cost
- Excellent condition, removed, disassembled, cleaned and primed, painted, ready for shipment

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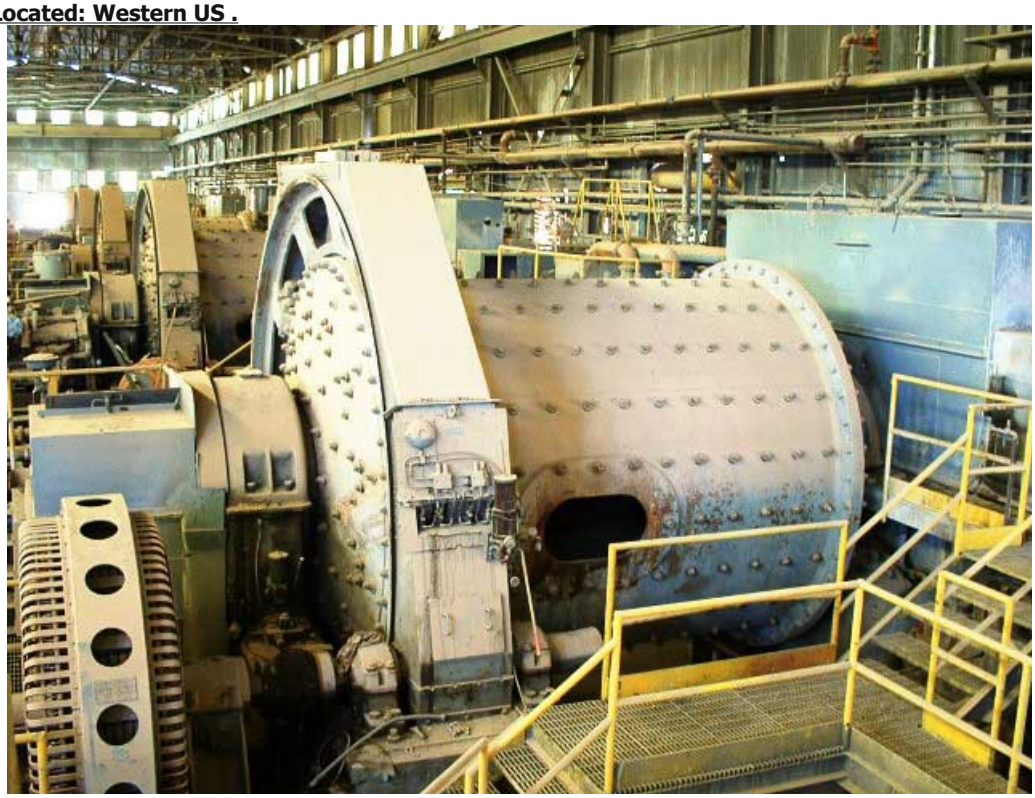
MINING EQUIPEMENT
BROYEUR A BOULET/ BALL MILL.
STOCK LISTE.

10.5 x 13 ft. Allis Chalmers Ball Mill

- **Overflow discharge**
  - Formerly used 800 HP synchronous motor
  - Produced 2,000 tpd in a base metal flotation circuit
  - Mill complete except for motor, operating at decommissioning and in good condition
  - Current liner configuration is 10.5 x 12 with grate discharge
  - Removed , inspected and loaded
  - Located: Western US .



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