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Located just 20 minutes west of Kamloops, BC

2008 Boart Longyear DB430 Rotary Drill

[Inventory ID #1206373]

2008 Boart Longyear DB430 Rotary Drill

- Make: Boart Longyear
- Model: DB 430
- Type: Rotary Drill
- Hours: 220
- Compressor: None
- Engine: Deutz 4 Cylinder
- Mud Pump: Moyno 3L6 (New 2018, 16' Stroke, Mast is 20')
- Mounted On: Tracks
- Tools/Options: Rotary/Coring Head has been Upgraded to a LF540
- Deck Engine is a 140 HP, 4.7 Liter
- Wireline Winch & a Pullmaster Winch
- Hydraulic Rod Rack with 400' of 2-3/8" API Drill Rod
- Dual Rod Clamps
- Breakout Wrench

- Specifications:
  - Standard Drilling Systems
    - 4" - 6.5": 300m (985ft)

  - PRIME MOVER:
    - Standard Unit: DEUTZ BF4M1013EC Diesel Engine
    - Power (maximum): 104kW@ 2200 RPM (140HP @ 2200 RPM)
    - Tank Capacity: 230 L (60 Gallons)
    - Fuel Consumption: 195 Gal/kWh
    - Electrical Circuit: 24 Volt

- NOTE: The engine has sufficient power to run the rig up to 2500 meters above sea level at 25 °C

- ROTARY HEAD DB430 - TORQUE ANO RPM RATINGS
  - Low Gear: 4,600/75 Nm/rpm (33,501/75 lb-ft/rpm)
  - High Gear: 2,300/150 Nm/rpm (1,675/150 lb-ft/rpm)
  - Bore - Inside Diameter: 52mm (2in)
  - Swivel - Inside Diameter: 24mm (1in)
  - Rotation Motors: Danfoss OMT 160
  - Top Drive Flange: 2 3/8 API Reg Box
  - Gear Ratio: 4.047:1
  - Distance from Drilling Line to Chain: 202mm (7.95in)

- HYDRAULIC SYSTEM
  - Pump: Variable Load-Sensing with Torque Control
  - Max Flow: 230 Lpm (60GPM)
  - Max Pressure: 280 bar (4,060 PSI)
  - Hydraulic Oil Volume: 160 L (42 Gal)
  - Oil Cooler Capacity: 16kW (21.4HP)

- DRILL MAST AND FEED SYSTEM
  - Feed Stroke: 4,000mm (13ft)
  - Feed Speed - Down: 3.9m/min (12.7ft/min)
  - Feed Pressure Control: +/- 350 N (+/- 78 lbf)
  - Fast Feed Speed
    - Up: 40m/min (130 ft/min)
    - Down: 66m/min (215 ft/min)
  - Pull Down Force: 35kN (7,715 lbf)
  - Pull Back Force: 70kN (15,400 lbf)

- MAIN WINCH (Mast Top)
  - Pull on Inner Layer(Maximum): 9kN (1,980 lbf)
  - Line Speed: 35m/min (115ft/min)
  - Cable Diameter: 8mm (5/16in)

- ROD CLAMPS
  - Maximum Diameter: 220mm (8.7in)
  - Clamping Sizes: 65 to 95mm sf (2.5in to 3.75in sf)
  - Maximum Holding Force: 10kN (22,500 lbf)
  - Break-Out-Cylinder

        - Max Pull: 80kN (17,984 lbf)
        - Max Push: 115kN (25,853 lbf)
        - Break-Out-Tong
        - Min. Rod Size: 66.6mm (2 5/8in)
        - Max. Rod Size: 81.2mm (3 1/5in)

    - ROD RACK:
        - Capacity - 3" Rods: 60
        - Capacity - 3 1/2" Rods: 45

    - UNDERCARRIAGE:
        - Driving Speed:
            - Low Gear: 2.5 km/h (1.55 mph)
            - High Gear: 4.8 km/h (2.98 mph)
        - Maximum Grade Ability (Low Gear): 60% (~30° Deg)
        - Rubber Tracks: Standard

- Location: Western USA

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