

## 2011 Atlas Copco CS14 Diamond Core Drill [Inventory ID #1106332]



### 2011 Atlas Copco CS14 Diamond Core Drill

- Make: Atlas Copco Epiroc
- Model: CS14
- Engine: Cummins QSB6.7 Diesel
- Hours: 8500 Approx.
- Included In Package
  - CS14 Drill
  - Hydraulic Controls
  - Heavy Duty Skid
  - Enclosure with fold out work platforms
  - Pump
  - Hoist
  - Wireline
- Condition: Good, Used
- Location: British Columbia, Canada
- General Specifications:
  - Depth capacity coring (wireline or conventional)
    - B wireline 1540 m (5052 ft)
    - N wireline 1200 m (4042 ft)
    - H wireline 800 m (2695 ft)
    - P wireline 475 m (1558 ft)
  - Depth are based on vertical hole

- Main hoist
  - Single line capacity: Bare drum 80 kN (18,000 lb)
  - Line speed: Bare drum 44 m/min (148 ft/min)
  - Cable size: 35 m (118 ft) x 16 mm (10/16 in)
  
- Wireline Capacity:
  - 1830 m (6000 ft) of 4.76 mm (3/16 in)
  - 975 m (3200 ft) of 6.35 mm (1/4 in)
- Line pull: bare drum: 11.9 kN (2665 lb)
  - full drum: 3.0 kN (668 lb)
- Line speed: bare drum 114 m/min (374 ft/min)
  - full drum 453 m/min (1486 ft/min)
  
- Mast and feed system
  - Feed travel: 3.5 m (11.5 ft)
  - Feed speeds: fast and slow with variable control
  - Thrust: 59.6 kN (13,390 lb)
  - Pull: 138 kN (31,020 lb)
  - Drilling angle: 45 to 90 degrees
  - Rod pull length: 6.09 m (20 ft)
  
- Power unit
  - Manufacture: Cummins
  - Model: QSB6,7 Tier III
  - Volume: 6.7 liter 6 cylinder
  - Power: 153 kW (208 HP)
  - RPM: 1800
  - Engine type: Diesel turbocharged/after cooled
  - Cooling: Water
  
- Hydraulic system
  - Primary pump: 28 MPa – 242 l/min (4061 psi – 63.9 gal/min)
  - Secondary pump: 20 MPa – 122 l/min (2901 psi – 32.2 gal/min)
  - Auxiliary pump: 21.5 MPa – 47 l/min (3118 psi – 12.4 gal/min)
  - Hydraulic oil cooling: Air

- Drillhead and spindle speeds

- Power: hydraulic motor – variable speed/reversible
- Final drive: 4 in chain driven in oil bath – 2,5 ratio
- Spindle (inner diameter): 117 mm (4 5/8 in)
- Spindle speeds:

|     | Ratio  | Speed, RPM | Torque, Nm (ftlb)     |
|-----|--------|------------|-----------------------|
| 1st | 6.63:1 | 117-196    | 5113-3051 (3771-2250) |
| 2nd | 3.17:1 | 245-410    | 2445-1459 (1803-1076) |
| 3rd | 1.72:1 | 451-756    | 1326-792 (978-584)    |
| 4th | 1.00:1 | 776-1300   | 771-460 (569-340)     |

Range selection: manual control from operator's station

Hinged head: swing away

- Chuck assembly

- Type: hydraulic open, spring closed
- Maximum inside diameter: 117 mm (4 5/8 in)
- Holding capacity: 18,143 kg (40,000 lb)

- Rod Holder

- Type: hydraulic open, gas spring closed
- Maximum inside diameter: 210 mm (8.3 in)
- Holding capacity: 13,000 kg (28,660 lb)

- Weight

CS14 incl. Trido140 and Rod Holder: 7,000 kg (15,430 lb)

- Dimensions (L – W – H)

- In transport position (top mast removed):  
6370 mm (21,45ft) 2200 mm (7,22ft) 2340 mm (7,88ft)

- Transport on drill site (top mast folded):  
6370 mm (21,45ft) 2550 mm (8,59ft) 2340 mm (7,88ft)

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