



# Rig #423 - 1500 Hybrid

**Contact Info:**  
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## Key Information

|                   |             |
|-------------------|-------------|
| Rig #:            | 423         |
| Rig Type:         | 1500 Hybrid |
| Category:         | Hybrid      |
| Depth Rating:     | 1500        |
| Racking Capacity: | N/A         |
| Loads:            | 8           |

## Location

|                         |   |
|-------------------------|---|
| Main Coordinate System: | LSD   |
| Address:                | *Near* East Athabasca Highway<br>Highway (9 km NNW), Reg Mun<br>of Wood Buffalo, AB |
| LSD:                    | 100/16-27-093-07W4/00   |

## Drawworks

|                          |                 |
|--------------------------|-----------------|
| Mechanical / Electrical: | Hydraulic       |
| Auxiliary Brake:         | Johnson Caliper |
| Model:                   | Timberland      |
| Rated Power:             | 350             |
| Drive:                   | QSM 11          |

## Mast

|                    |                          |
|--------------------|--------------------------|
| Mast Type:         | Single Stiff             |
| Mast Manufacturer: | Rig Shop                 |
| Static Hook Load:  | 44,500 daN / 100,000 lbs |
| Mast Clear Height: | 22 m / 72 ft             |
| Drill Line Size:   | 22                       |
| Number of Lines:   | 4                        |

## Substructure

|                            |                         |
|----------------------------|-------------------------|
| Substructure Type:         | trailer mounted sub     |
| Substructure Manufacturer: | Rig Shop                |
| Floor Height:              | 4 m / 13 ft             |
| Clear Height:              | 3.8 m / 12 ft           |
| Rotary Capacity:           | 44,500 daN / 100000 lbs |
| Set Back Capacity:         | N/A                     |

## Top Drive

|                       |                       |
|-----------------------|-----------------------|
| Manufacturer / Model: | FDS 50T               |
| Continuous Torque:    | 9000 Nm / 6600 ft-lb  |
| Makeup Torque:        | 11500 Nm / 8500 ft-lb |
| Breakout Torque:      | 12200 Nm / 9000 ft-lb |

## Hoisting and Rotating Equipment

|                         |                          |
|-------------------------|--------------------------|
| Hook Model:             | N/A                      |
| Hook Capacity:          | N/A                      |
| Block Model:            | FDS 50T Split Block      |
| Block Capacity:         | 44,500 daN / 100,000 lbs |
| Swivel Model:           | N/A                      |
| Swivel Capacity:        | N/A                      |
| Rotary Table Model:     | Enid drill system        |
| Rotary Table Clearance: | 419 mm / 16.5 in         |

## Mud Pump 1

|                       |                           |
|-----------------------|---------------------------|
| Manufacturer & Model: | F800                      |
| Rated Power:          | 580 kW / 800 hp           |
| Stroke:               | 229 mm / 9 in             |
| Drive:                | 60 series c/w pacific rim |

## Mud Pump 2

|                       |     |
|-----------------------|-----|
| Manufacturer & Model: | N/A |
| Rated Power:          | N/A |
| Stroke:               | N/A |
| Drive:                | N/A |

## Mud System

|                                   |                         |
|-----------------------------------|-------------------------|
| High Pressure Circulating System: | 21000 kPa / 3000 psi    |
| Mud Tank Volume:                  | 41 m3 / 11000 gal       |
| # of Mud Tanks:                   | 1                       |
| Second Mud Tank Volume:           | N/A                     |
| Trip Tank Volume:                 | 3.8 m3 / 1000 gal       |
| # of Shale Shakers:               | 1                       |
| Shale Shaker Model:               | Swaco Mongoose          |
| Atmospheric Degasser:             | 609                     |
| Additional Information:           | 76mm inlet/152mm outlet |

## Well Control System

|                                 |                      |
|---------------------------------|----------------------|
| Trim Type:                      | NACE                 |
| Acumulator Manufacturer:        | control Tech         |
| # of Stations:                  | N/A                  |
| Acumulator Volume:              | 302 L / 80 gal       |
| Acumulator Pump:                | triplex pump         |
| Manifold Type:                  | N/A                  |
| Choke Manifold Size:            | 52                   |
| Choke Manifold Pressure Rating: | 21000 kPa / 3000 psi |

## Power

|                          |                            |
|--------------------------|----------------------------|
| Power Distribution Type: | 350 kw 480v/208v ac diesel |
| Generator Model 1:       | Stamford                   |
| Generator Size 1:        | 350                        |
| Generator Model 2:       | N/A                        |
| Generator Size 2:        | N/A                        |
| Generator 3 Model:       | N/A                        |
| Generator Size 3:        | N/A                        |

## Miscellaneous Equipment

|                      |                     |
|----------------------|---------------------|
| Winterization:       | N/A                 |
| Boiler Rating:       | 80                  |
| # of Fuel Tanks:     | 1                   |
| Fuel Tank Capacity:  | 9000 L / 2300 gal   |
| # of Water Tanks:    | 1                   |
| Water Tank Capacity: | 40000 L / 10500 gal |

### Tubulars:

Rig carries sufficient tubular inventory of drill collars and drill pipe to drill 75% of rated depth capacity. Exact quantities and descriptions of tubulars available through Savanna Contracts Representative

### Special Equipment:

FDS 80K injector with 2 7/8 coil capacity, storage reel capacity 2 7/8 - 1350m. Flare trailer 8m3, storage on front and back of trailer, 3" Flare line and 6" degasser line. Specific inventory subject to change. Contact sales representative.

## Load List

|                     |   |
|---------------------|---|
| Total Loads Summer: | 8 |
| Total Loads Winter: | 9 |



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