

# Cooper LTO - 550

Self – propelled mechanically driven rig

## PRINCIPAL PARTICULARS

Type: Portable / Mechanical  
Rating: 500HP  
Drilling depth: 1500m @ 5” DP

## DRAWWORKS

Type: Cooper 550/4221-42  
Horsepower rating: 475HP  
Driven by: 1 x CAT 3408 diesel engine  
Drilling line diameter: 1”  
Sand drum: 14 000 ft @ 9/16”  
Auxiliary break: Parmac SR-22

## MAST

Type: Cooper 110/250  
Height: 33,5m  
Hook load: 113t @ 8 lines

## SUBSTRUCTURE

Type: PD-100/80  
Total height: 3,9m  
Clear height: 3,1m  
Setback capacity: 72t  
Casing capacity: 90t

## ROTARY EQUIPMENT

Rotary table type: Ideco 175-F  
Rotary table opening: 17 ½”  
Rotary Table capacity: 244t  
Driven by: drawwork’s  
Swivel type: Ideco NSCO type F  
Swivel capacity: 150t

## TRAVELING EQUIPMENT

Traveling Block type: EMSCO NB-30  
Block capacity: 136t  
Q – ty and size of sheaves: 4x24”  
Hook type: integrated  
Hook capacity: 136t

## DRIVE GROUP

Engine type: 2xCAT 3406  
Horsepower rating: 2x 425HP  
Generator type: 2 x Kato SR-4  
Generator rating: 2 x 400 kVA/320 kW  
Generator Voltage: 230/400V/50Hz  
Compressors: 1 x Atmos SE 350 screw type

## MUD SYSTEM

Mud Pumps type: 2 x OPI HDL 700  
Horsepower rating: 2x 700HP  
Power pump: CAT D379 diesel engine  
Shale Shakers: 2x MI Swaco Mongoose Pro  
Mudcleaner: MI Swaco Mongoose  
Degasser: Brandt  
Centrifuge: Swaco 518  
Active Mud System: 123m<sup>3</sup>  
High pressure line: 1x 3” /5000psi

## BOP EQUIPMENT

BOP Control Unite type: Upetrom AB-320  
Double ram BOP: Shaffer 7-1/16”x5K  
Annular BOP: DF type 9”x5M

## INSTRUMENTATION

Weight Indicator: Martin Decker type FS  
Recorder: Totco type 3586, 8 pens  
Drilling Control System: SMART System - Level 1