

# DISCOVERY

*Energy Services*

## COMPLETIONS AND WORKOVER RIG RIG DISCOVERY 9 SPECIFICATIONS BROCHURE



ISO 9001: 2008  
ISO 14001: 2004  
OHSAS 18001: 2007  
BUREAU VERITAS  
Certification



N° C0223270 / N° C0223271 / N° C0223272



# HIGHLIGHTS

|                          |                              |
|--------------------------|------------------------------|
| <b>Name:</b>             | <b>Discovery 9</b>           |
| <b>Brand</b>             | Loadcraft                    |
| <b>Power:</b>            | 650 HP                       |
| <b>Year:</b>             | 2014                         |
| <b>Double Drum:</b>      | Drawworks and Sandline Drums |
| <b>Type:</b>             | Self-propelled Land Rig      |
| <b>Static Hook Load:</b> | 350.000 Libras               |
| <b>Drilling depth:</b>   | 15.000 FT TUBING 3-1/2" 9,3# |





# CARRIER

## CARRIER

| Specifications | Data                      |
|----------------|---------------------------|
| Manufacturer   | Loadcraft                 |
| Model          | LCI- 650C                 |
| Brakes         | Air brakes in all wheels  |
| Steering       | Hydraulic powered         |
| Front axles    | 3                         |
| Rear axles     | 3                         |
| Headlights     | Stop and taillights       |
| Reflectors     | Air horn                  |
| Cab            | One man, washer and wiper |
| Mirrors        | Two rear view mirrors     |





# RIG DISCOVERY 9





# MAST AND SUBSTRUCTURE

## MAST

| Specifications     | Data               |
|--------------------|--------------------|
| Manufacturer       | Loadcraft          |
| Model              | 108/350            |
| Type               | Telescoping double |
| Clear Height       | 108ft              |
| Static Hook Load   | 350.000 Lbs        |
| Drilling line size | 1- 1/8"            |



## MAST SUBSTRUCTURE

| Specifications | Data                      |
|----------------|---------------------------|
| Manufacturer   | Prodimetales              |
| Year           | 2013                      |
| Type           | Telescoping (Low boy)     |
| Height         | 16ft                      |
| Capacity       | 350.000 Lbs               |
| Clearence      | 12ft                      |
| Weight         | 12.000 Kg                 |
| Rotary Table:  | IDECO 17-1/2" and 250 Ton |

# HOISTING EQUIPMENT

## DRAWWORKS

| Specifications     | Data                       |
|--------------------|----------------------------|
| Manufacturer       | Loadcraft                  |
| Year               | 2014                       |
| Model              | 650/42-12, 42X12           |
| Size               | 42 X 12"                   |
| Single line pull   | 42.500 Lbs                 |
| Shaft Diameter     | 6-1/2"                     |
| Horse power rating | 650 HP                     |
| Drum Capacity      | 3260 ft, 1- 1/8" Wire rope |



## AUXILIARY BRAKE

| Specifications | Data   |
|----------------|--------|
| Manufacturer   | Parmac |
| Reference      | 202    |



# HOISTING EQUIPMENT

## SANDLINE DRUM

| Specifications | Data                       |
|----------------|----------------------------|
| Manufacturer   | Loadcraft                  |
| Model          | 42X8                       |
| Size           | 42 X 8"                    |
| Drum Capacity  | 14.400 ft of 9/16 Sandline |

## TRANSMISSION

| Specifications | Data                      |
|----------------|---------------------------|
| Manufacturer   | Allison                   |
| Model          | CLT6061DB                 |
| Type           | Automatic                 |
| Power shift    | From cab and rear control |



## ENGINE

| Specifications | Data   |
|----------------|--|
| Manufacturer   | Caterpillar  |
| Model          | CAT C18  |
| Rating         | 650 HP @ 2100 rpm  |
| Exhaust        | With spark arrestor  |
| Air compressor | Driven from engine   |
| Emergency stop | High water temp, low oil pressure and overspeed emergency shutdown |