# The Drawworks And The Compound Unit 1 Lesson 6 Rotary

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#### The Drawworks And The Compound

The drawworks is a part of the system that rotary drilling rigs use for hoisting, or lifting, the drill stem and casing out of the hole. A compounding transmission, or compound, sends power from the engines to the drawworks, the rotary table, and the mud pumps. This training manual gives an overview of both these pieces of machinery and how they are used together to do the hoisting work of the rotary rig.

#### The Drawworks and the Compound

The Drawworks and the Compound: Unit 1, Lesson 6 (Rotary Drilling) (Rotary Drilling, Unit 1, Lesson 6) [Kate Van Dyke] on Amazon.com. \*FREE\* shipping on qualifying offers. The Drawworks and the Compound: Unit 1, Lesson 6 (Rotary Drilling) (Rotary Drilling, Unit 1, Lesson 6)

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### The Drawworks and the Compound: Unit 1, Lesson 6 (Rotary ...

Page 24 - The Drawworks and The Compound. P. 24. main Brake Petroleum Extension-The University of Texas at Austin Lubrication he greatest contribution the rig crew can make to the general Tbenefit of the drilling contractor is to learn and practice good techniques of rig lubrication. Every place on the drawworks where metal rubs against metal ...

#### Page 24 - The Drawworks and The Compound

Page 25 - The Drawworks and The Compound. ... a braking mechanism on the drawworks, supplemental to the mechanical brake, that permits the lowering of heavy hook loads safely at retarded rates without incurring appreciable brake maintenance. There are two types of auxiliary brake—the hydrodynamic and the electrodynamic.

#### Page 25 - The Drawworks and The Compound

Page 27 - The Drawworks and The Compound. P. 27. REVIEW QUESTIONS Petroleum Extension-The University of Texas at Austin answers to Review Questions LESSONS IN ROTaRy DRILLINg Unit I, Lesson 6 The Drawworks and the Compound 1. (a) Drilling hook 12. driving; driven (b) Drilling line 13. ...

#### Page 27 - The Drawworks and The Compound

The drawworks have however large footprints, i.e., 48-ft (14.6 m) long, 12-ft (3.5 m) wide, and 17-ft (6 m) tall, and weigh more than 340,000 lbs (170 ton) driven via six AC motors, each producing 1500 hp continuously. The main DMC advantage is when handling larger (subsea BOP or casing) loads.

#### **Drawworks - an overview | ScienceDirect Topics**

Type II Electric Drawworks w/ all certification papers: Gardner Denver: 3000: Electric Drawworks w/ all certification papers ... Double 15in. Brake, Compound, Cat heads: DW1011: N4 Brewster: 15in. Double Hydromatic Brake, Double Drum, Cat Heads, Twin 671 Engines, 955 Allison Torque: DW1012: N4 Brewster: 15in. Double Hydromatic Brake, 2 Cat ...

#### **Drawworks & Compounds**

The machine on the rig consisting of a large-diameter steel spool, brakes, a power source and assorted auxiliary devices. The primary function of the drawworks is to reel out and reel in the drilling line, a large diameter wire rope, in a controlled fashion. The drilling line is reeled over the crown block and traveling block to gain mechanical advantage in a "block and tackle" or "pulley ...

#### drawworks - Schlumberger Oilfield Glossary

Drawworks and pumps are powered directly by belts attached to an engine making this a compound rig-Photographs reproduced from our collection of rare original negatives many over 100 years old! The finest quality Chromira Prints available, produced with h

#### **Compound Rig - Roughneck City**

Compound 1) a mechanism used to transmit power from the engines to the pump, the drawworks, and other machinery on a drilling rig. It is composed of clutches, chains and sprockets, belts and pulleys, and a number of shafts, both driven and driving.

#### Compound - DrillingMatters.org

A drawworks is the primary hoisting machinery component of a

rotary drilling rig. Its main function is to provide a means of raising and lowering the traveling block . The wire-rope drill line winds on the drawworks drum and over the crown block to the traveling block, allowing the drill string to be moved up and down as the drum turns.

#### **Draw-works - Wikipedia**

Headquarters & Rig-Up Yard 6750 Bender Road Humble, TX 77396 281.661.3627. Permian Basin Service Center 6510 Golder Avenue Odessa, TX 79764 432.517.6799

### Gardner Denver GD 1500 Drawworks with Compound (Rebuilt)

Drawworks adopts hydraulic disc brake and the EATON auxiliary brake etc. Drawworks, Mud Pump and Rotary Table can be driven by independent motors (Rotary table can be driven compound). K type mast, self-lifting or spin-lifting substructure, mast and substructure are raised integrally.

#### Land Drilling Rig - Prospering International

Compound Chain Box Sprockets: Ryle Manufacturing makes heavy duty sprockets for compound chain boxes. Compound chain boxes transfer power from the drilling rig engines to the drawworks and mud pumps. Compound chain box sprockets are mounted on shafts in an enclosed lubricated box connected directly to the rig engines.

Custom Sprocket Products | Ryle Sprocket Manufacturing
On drawworks clutches, make sure that the sliding cone is a NON-LOCKING style. Never use a locking cone on a drawworks clutch.
Check the clutch for oil or grease contaminants. Find the source
and fix the leak. On equipment with oil in the drum to lube the
drum bearings, clean the assembly and use double sealed
bearings as replacement.

#### **RIG MAINTENANCE REPORT #1 - ENID DRILL**

Lot 52 - Ideco H-725 Drawworks w/ 2-Engine Compound (Lot # 52) Previous Next. Previous Next. JUMP To Sections \*Please note that you are bidding on an item offered without IronClad Assurance®. Only basic item condition details are provided for

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