

Canrig Customer Training Schedule Q2 - 2010

Top Drive

TOP DRIVE SYSTEM OPERATION, MAINTENANCE & SERVICE – TDS 100

This course provides a general understanding of the entire Canrig Top Drive System. All these topics are covered individually in greater detail in other courses specific to each system.

Topics include:

- Rig-up / Rig-down
- Top Drive operation
- Mechanical system over view
- Hydraulic system over view
- System Safety

Audience:

This course is intended for drillers, tool pushers, and individuals who are responsible for supervising the service and repair of a Canrig Top Drive System.

Duration: 2 days

Location: Magnolia, TX

Dates: Contact Training Team to request class

Tuition: \$990 USD

TOP DRIVE SYSTEM TECHNICAL OPERATION – TDS 101

This course provides in-depth training on the entire top drive system and includes considerable hands-on time using Canrig equipment.

Topics include:

- Rig-up / Rig-down
- Top Drive operation
- Detailed mechanical system function
- Detailed electrical system function
- System safety

This course covers all the material of TDS 100, TDH 100, TDE 100 and TDM 100.

Audience:

This course is intended for any individual who is directly or indirectly responsible for operating or performing service and repair on a Canrig Top Drive System.

Duration: 5 days

Location: Magnolia, TX

Dates:
April 19 – 23
June 21 – 25

Tuition: \$2,450 USD
Note: This class can be provided on-site

TOP DRIVE HYDRAULIC SYSTEM – TDH 100

This course is designed to give in-depth understanding of the hydraulic functions of a Canrig Top Drive System.

Topics Include:

- Hydraulic schematic drawings
- Hydraulic Power Unit (HPU) function
- Hydraulic Service Loop construction
- Operation of all hydraulic circuits
- Recommended maintenance and service
- How to Safely work on the hydraulic system
- How to set hydraulic pumps
- How to set valve banks and manifolds

Audience:

This course is intended for mechanical technicians, maintenance supervisors, or individuals who are responsible for mechanical service and repair of a Canrig Top Drive System.

Duration: 2 days

Location: Magnolia, TX

Dates:

April 13 – 14

May 18 – 19

June 22 – 23

Tuition: \$990 USD

TOP DRIVE ELECTRICAL SYSTEM – TDE 100

This course is designed to give in-depth understanding of the electrical functions of a Canrig Top Drive System.

Topics Include:

- Understanding electrical schematic drawings
- Power distribution
- DC traction motors / SCR functionality
- Electrical control system process
- PLC control
- Recommended maintenance and service
- Electrical System Safety

Audience:

This course is intended for electrical technicians, maintenance supervisors, or individuals who are responsible for electrical service and repair of a Canrig Top Drive System.

Duration: 2 days

Location: Magnolia, TX

Dates: Contact Training Team to request class

Tuition: \$990 USD

TOP DRIVE MECHANICAL SYSTEM – TDM 100

This course is designed to give a better overall understanding of the various mechanical systems that make up a Canrig Top Drive System. All major top drive components are covered, including the main drive unit, handler rotate assembly, rotary manifold, back-up wrench, link tilt, and torque boost.

Topics include:

- Load paths
- Major assemblies
- Major sub-assemblies
- Lubrication and Hydraulic systems over view
- Torque Guide
- Recommended maintenance and service
- Mechanical System Safety

Audience:

This course is intended for mechanical technicians, maintenance supervisors, or individuals who are responsible for mechanical service and repair of a Canrig Top Drive System.

Duration: 2 days

Location: Magnolia, TX

Dates: Contact Training Team to request class

Tuition: \$990 USD

PLC BASICS – TDS 110

This course is designed to provide information on how to use Rockwell Automation RS Logix Software to develop ladder logic and successfully download to Allen-Bradley SLC500 processors.

Topics include:

- Allen-Bradley hardware
- RS Logix programming software
- RS Linx communication software
- Binary and Hexadecimal numbering system

Audience:

The intended audience is for those who are interested in learning how to program Allen-Bradley SLC 500 PLC's. The assumption is that one has an understanding of basic electrical control circuitry.

Duration: 3 days

Location: Magnolia, TX

Dates: Contact Training Team to request class

Tuition: \$1,485 USD

Catwalk & Wrench

Torq-Matic™ Operation & Maintenance – TM 100

This course provides a general understanding of Canrig's Torq-Matic™ automated floor wrench. Upon completion of this class the participants should have a basic understanding of the entire Torq-Matic™ system.

Topics covered in this course include:

- Operation
- HMI Screens
- Mechanical Familiarization
- Hydraulic Familiarization
- Electrical Familiarization
- Maintenance
- Troubleshooting

Audience:

This class is intended for rig managers, drillers, operators or individuals who are responsible for, or are supervising, the operation and maintenance of a Canrig Torq-Matic™ automated floor wrench.

Duration: 2 days

Location: Magnolia, TX

Dates:

April 15 – 16
May 20 – 21
June 24 – 25

Tuition: \$990 USD

Note: This class can be provided on-site

POWERCAT™ OPERATION & MAINTENANCE – PC 100

This course is designed to give the participant a general understanding of Canrig's PowerCAT™ 3000 automated catwalk system.

Topics covered in this course include:

- Operation
- HMI Screens
- Mechanical Familiarization
- Hydraulic Familiarization
- Electrical Familiarization
- Rig Up/Rig Down
- Maintenance
- Troubleshooting

Audience:

This class is intended for rig managers, drillers, operators or individuals who are responsible for, or are supervising, the operation and maintenance of a Canrig PowerCAT™ 3000 automated catwalk.

Duration: 2 days

Location: Magnolia, TX

Dates:

April 17 – 18
May 22 – 23
June 26 – 27
(Note: This is a Saturday – Sunday class)

Tuition: \$990 USD

Note: This class can be provided on-site

RigWatch™

RIGWATCH™ OPERATIONS & MAINTENANCE – RWS 102

This course provides in depth training of the Canrig RigWatch™ system operation and control. Instruction is provided which enables the participant to setup and control RigWatch™ and its components for maximum effectiveness and efficiency.

Topics include:

- RigWatch™ Operations
- RigWatch™ Configurations
- DrillSmart™
- cRIO
- RockIt™

Audience:

This class is intended for all individuals responsible for the daily operation, control, and maintenance of Canrig's RigWatch™ system.

Duration: 5 days

Location: Spring, TX

Dates:

May 10 – 14
June 14 – 18

Tuition: \$2,450 USD

K-Box™

K-BOX™ OPERATION & MAINTENANCE – KBS 100

This course provides a general understanding of Canrig K-Box™ hardware and software. It is designed to teach participants how to use and maintain the various components directly related to the K-Box™ and DrillSmart™. Upon completion of this course, the participant should be familiar with how to manipulate, start/stop DrillSmart™, basic troubleshooting and how to perform routine maintenance

Topics include:

- Understanding K-Box Purpose and Role
- Power Requirements
- Basic Hardware understanding and Layout
- Rig Requirements
- DrillSmart™ Theory
- Startup Process and Requirements
- DrillSmart™ Usage and Functionality
- Variables in RigWatch™ Specific to DrillSmart™

Audience:

This class is intended for users who will be receiving or already have a K-Box™ installed on their location and have a basic understanding of RigWatch™ Software. This class is also required for Canrig Field Service Technicians and Support Center Technicians who have completed RWS 102 and RWS 110.

Duration: 3 days

Location: Spring, TX

Dates:

May 25 – 27
June 28 – July 1

Tuition: \$1,485 USD

To Register Contact:

Canrig Drilling Technology Ltd.
Attn: Bill Good
14703 FM 1488
Magnolia, TX 77354

Direct: 281.259.3147
Mobil: 281.768.0816
FAX: 281.259.8185

Email: bill.good@canrig.com