



TRAINING COURSES



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SEATRAX[®]

GENERAL CRANE MECHANIC

Basic Hoist Hydraulics

This course serves as an introduction to hydraulics, including understanding hydraulic schematics and deciphering hydraulic schematic symbols. Students observe how a simple hydraulic hoist circuit performs.

Basic Slew Hydraulics

This training introduces the slew hydraulic circuits. Students learn about open and closed-loop slew circuit design, components and schematic symbols while also exploring the dynamic and parking brake systems.

Basic Hydraulics Support Systems

This training introduces hydraulic components – and in some cases entire systems – added to support the proper function of hydraulic systems. This training covers hydraulic oil filtration and cooling – together called hydraulic oil conditioning – and how they help maintain the useable condition of the hydraulic oil. This training will also introduce low pressure pilot or control circuits.

Basic Electronics

This course introduces basic electronic circuits and troubleshooting techniques. It explains core electronic circuit concepts, such as Ohm's law. Common troubleshooting tools, such as digital multimeters, are also introduced.

SEATRAX CRANE SPECIFIC

High-Pressure Hydraulic Systems

This course begins by offering students an understanding of how high pressure pumps and motors function. Students then learn how to set up a hydraulic circuit to achieve specified performance criteria.

Crane Communication and Monitoring System (CCM)

This course introduces students to the CCM and explores its features. Covered topics include setup, load charts, load indicators, system settings and troubleshooting.

Electronic Joysticks

This course details the electronic joystick system. Students learn how to set up and adjust these systems while simultaneously developing troubleshooting techniques.