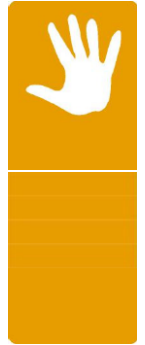


Practical Hydraulics (Hands-On)



HYDAC unit number: ST-T08-0
Duration: 16 hours (2 days)



This unit can be nationally recognised training through an association with

Outline

THIS COURSE PERFECTLY COMPLEMENTS BASIC HYDRAULICS 1.

This course was developed as a hands-on approach for learning about hydraulic components and circuitry.

This course then is more directed at maintenance technicians and operators. It is aimed at those who work with hydraulic systems, but those not expected to participate in the design of a hydraulic system, or in component selection.

NOTE: If you intend to progress through our three generic hydraulics courses, i.e. “Basic Hydraulics 1”, “Maintain Hydraulics 2” and then “Intermediate Hydraulics 3”, you will not have to attend this course. The exercises used in this course are the same as those used in the “Intermediate Hydraulics 3” course.

Exercises Day 1

- Pressure differential
- Pressure differential and a throttle
- Pressure relief valves
- Pressure and force relationship
- Pressure intensification
- Pilot operated check valves
- Cumulative pressure losses
- Pressure reducing / relieving
- Series connection
- Parallel connection

Exercises Day 2

- Series connection (2)
- Differential circuit
- Two throttle valves
- Flow control direction
- Energy storage with an accumulator
- Pressure compensated flow control
- Control of two actuators simultaneously
- Flow divider / combiner valves
- Pressure sequence valves

Outcomes

At the completion of the course, a certificate of acknowledgement will be issued to the participant, stating the course name and other relevant details.

Prerequisites

None.

This course can only be provided for those fluent in English. Participants must be able to read and write, and be able to follow instructions.

Clothing and equipment

Pens, paper, tools and training resources are provided.

Clothing should be neat casual, or cotton drill work clothing is fine, but they must be clean.

Dirty work boots are not to be worn, fully covered footwear such as runners are acceptable. Open toed footwear must not be worn.

Lunches

Morning tea, lunch and afternoon tea are provided. If you have any special dietary needs, please contact SUMMIT HYDRAULICS beforehand to arrange alternatives.

Dates and times

Times: 8:30AM to 5:00PM

Dates: 25th and 26th September 2019

Venue

HYDAC Ltd.

108A Penrose Road
Mount Wellington
AUCKLAND 1060

Course fee

Course fee is NZD \$1000 per participant, plus GST.

Maximum class size is 8 people.

Flights and accommodation are not included in the course fee.

Contact

Summit Hydraulic Solutions

John.Weller@summite.co.nz
Craig.Morrison@summite.co.nz

Phone: +64 73480464

www.summithydraulics.co.nz

Enrolment form

Practical Hydraulics (Hands-on)

E-mail: John.Weller@summite.co.nz

Please enrol me in this course for the dates below.
Course fee is NZD \$1000 per participant, plus GST.

Dates _____

Name _____

Title or position _____

Company _____

Company address _____

Contact phone number _____

E-mail address _____

Purchase order number. (Please attach). _____

Date of application _____

Optional extras:

Yes I would like the Nationally recognised certificate \$200 extra + gst

NOTE: We will be invoicing the course in August
Please contact [John Weller](mailto:John.Weller@summite.co.nz) for payment details.

