

Module *BTTH* Hydraulic

BTT Hydraulic

BTTH (8 h 55 min)



Aim: The aim of the BTT Hydraulic Module is to give the participants the knowledge and skills to carry out basic hydraulic tasks (supervised by an experienced technician), using safe working procedures and the correct PPE.

PROGRAM: BTTH Basic Technical Training Hydraulic

1. Introduction to the training
2. Hydraulic introduction
 - 2.1 The hydraulic system
 - 2.2 Pascal's Law
3. Hydraulic safety
 - 3.1 Why hydraulic safety?
 - 3.2 High pressure systems
 - 3.3 Stored energy
 - 3.4 Safety signs
 - 3.5 Chemicals
 - 3.6 Types of PPE
 - 3.7 The importance of appropriate isolation
4. Pumps
 - 4.1 Introduction to pumps
 - 4.2 Pumps exercise
5. Actuators
 - 5.1 Introduction to actuators
6. Valves
 - 6.1 Introduction to valves
 - 6.2 Directional control valves
 - 6.3 Pressure relief valves
 - 6.4 Pressure reduction valves
 - 6.5 Needle valves
 - 6.6 Non-return valves
 - 6.7 Throttle valves
 - 6.8 Restrictor valves
7. Accumulators
 - 7.1 Introduction to accumulators
 - 7.2 Pre-charge pressure
8. Sensors
 - 8.1 Introduction to sensors
 - 8.2 Pre-charge pressure
9. Pipes, hoses and connections
 - 9.1 Oil transfer
 - 9.2 Collecting an oil sample
 - 9.3 Checking oil levels
10. Oil and filters
 - 10.1 Handling oil procedures/cleanliness
 - 10.2 Collecting an oil sample
 - 10.3 Check oil levels
 - 10.4 Filters
11. Hydraulic diagrams
 - 11.1 Symbols and diagrams
 - 11.2 Identifying measuring points

12. Pressure measuring tools
 - 12.1 Pressure gauge/manometer
 - 12.2 Pressure measurement
13. Theoretical test
 - 13.1 Theoretical test
14. Training review
 - 14.1 Training review
 - 14.2 Feedback session

BTTH Module (BTT Hydraulic)

Duration: 8 h 55 min (1.5 days)

BTTH Program : Sections 1 to 14

Maximum students: 12 people per Edition.

Certificate validity:

Permanent (the company may require re-certification if no hydraulic work is carried out for an extended period of time).

Headquarter:

Andosilla (Navarra) • Spain

Phone: +34 664 681 385 • navarra@totalhse.com

Other centers in Spain:

Las Palmas (Canary Islands) • Spain

SEPROM

Phone: +34 902 008 482 • canarias@totalhse.com

Redondela (Galicia) • Spain

Verticalia Formación

Phone: +34 986 401 472 • galicia@totalhse.com

Other centers:

Hatzor Haglilit • Israel

IWTC

Phone: +972 4 632 2095 • israel@totalhse.com

San José • Costa Rica

Desarrollos Floruma

Phone: +506 2282-7468 • sanjose@totalhse.com

Santiago de Chile • Chile

ENACTRAR

Phone: +56 9 5819 5060 • chile@totalhse.com

www.totalhse.com

