



## Worksheet OP1 & Training Record Operating hydraulic equipment safely

## Operating Hydraulics

Email:

Course:

Provider:

Expected Outcomes: (45-90mins)

Understand what steps are required to safely operate hydraulic equipment.

Understand what training, checking and documentation are required before equipment should be started.

Previous Knowledge Required:

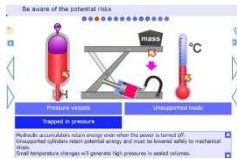
Complete the 'Safe Working Practices' worksheet SF1

Certificate of Achievement:



Click the email button (shown left, that will appear within each app) to post your results, once the training module has been completed. Enter your email or the email for your external training provider. e4training.com will also receive a copy of the results to include in the certificate assessment process.

### Interactive tutorials



Complete the 'How to operate hydraulic equipment' tutorial at [www.e4training.com/hydraulic\\_courses/microtutor1.php?wtoperate](http://www.e4training.com/hydraulic_courses/microtutor1.php?wtoperate) (or via the phone app or CD/download)  
Complete quick quiz at end and post results.

Date, score & time:

Tick when posted

### Coursework investigations



Read the detailed information and watch the instructional videos at [www.e4training.com/hyd\\_newbie/operate1.php](http://www.e4training.com/hyd_newbie/operate1.php) and [operate2.php](http://www.e4training.com/hyd_newbie/operate2.php)

(or via the phone app or CD/download)

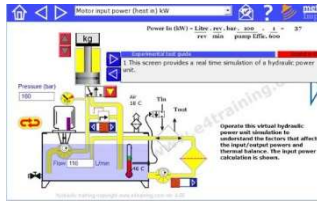
This will help you to complete the written coursework.

Read content:

Complete



## Virtual test rig experiment



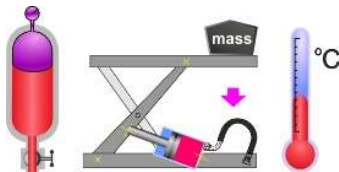
Operate the simple hydraulic power unit at [https://www.e4training.com/hyd\\_powerunits/powerunit3.php](https://www.e4training.com/hyd_powerunits/powerunit3.php) (or via the phone app or CD/download)  
Drive the cylinder up and down and change the load mass.  
Increase the cooling as required.

Date, score & time:

Tick when posted

## Coursework assignments

Identify a piece of hydraulic equipment you work with (or consider the scissor lift design example).

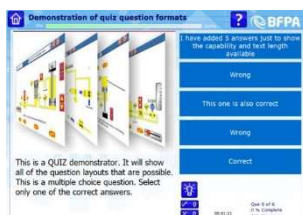


- Write down its duty cycle, life expectancy, normal working conditions, operating limits and environmental limits.
- Identify the potential risks to personnel.
- Discuss the hose care and maintenance issues.
- Identify the factors affecting fluid cleanliness.
- Write down suitable start-up, operation, and shut down procedures.
- Identify the fault reporting procedures.
- Submit a report covering all of the above.

Operating review:

Complete

## Interactive quiz



Complete the 'Introduction to hydraulics' quiz module at [www.e4training.com/hydraulic\\_test1.php](http://www.e4training.com/hydraulic_test1.php) (or via the phone app or CD/download)  
Post result when complete.

Quiz name, date, score:

Tick when posted

### And Finally:

Complete this worksheet and keep for your records. Submit the written coursework to e4training.com or your training course provider. Application result postings will be collated automatically by the course provider; e4training.com will also receive a copy of the results to include in the certificate assessment process.

### Related Worksheets:

Visit [www.e4training.com/hydraulic\\_courses/](http://www.e4training.com/hydraulic_courses/) to find the next worksheets related to your course.