

## FORWARD PLANNING SHEET SHORT COURSES 2009

Approved by: Eaton Hydraulics, Bosch Rexroth, Sauer Danfoss,  
Pall Corporation, Parker Hannifin, Hydac Technology, Atlas Copco, Shell Lubricants, Webtec Products

Course Title	Planned Dates 2009			Price per Person (Excluding VAT)
<b>HYDRAULIC COURSES</b> ( Awareness to Stage 2) Mobile and Static Systems				
<p><b>HYDRAULIC AWARENESS</b> (2 Day Course: 9:00am – 5:00pm) <i>For non-technical staff – or technical staff from other disciplines who only need an overview of hydraulic systems.</i></p>	5-6 Jan 09 2-3 Mar 09 30-31 Mar 09 5-6 May 09	1-2 June 09 29-30 June 09 2-3 Sept 09 5-6 Oct 09	2-3 Nov 09	<b>£500</b>
<p><b>STAGE 1. HYDRAULICS (General)</b> (3 Day Course: 9:00am – 5:00pm) <i>For technical staff working in hydraulics. Includes practical hands-on exercises. [This course is a prerequisite for our Stage 2 hydraulic courses.]</i></p>	5-7 Jan 09 2-4 Feb 09 2-4 Mar 09 30 Mar–1 Apr 09 20-22 Apr 09	5-7 May 09 1-3 June 09 29 June-1 July 09 3-5 Aug 09	2-4 Sept 09 5-7 Oct 09 2-4 Nov 09 30 Nov-2 Dec 09 7-9 Dec 09	<b>£800</b>
<p><b>STAGE 2. MOBILE HYDRAULICS</b> (4 Day Course: Mon 1:00pm – Fri 12:30pm) <i>For technical staff working at intermediate to advanced level with mobile hydraulic systems and controls. Includes practical hands-on exercises.</i> <b>RECOMMENDED pre-requisite, Stage 1 Hydraulics</b></p>	26-30 Jan 09 23-27 Feb 09 23-27 Mar 09 27 Apr–1 May	18-22 May 09 29 June-3 July 09 17-21 Aug 09 21-25 Sept 09	26-30 Oct 09 23-27 Nov 09 14-18 Dec 09	<b>£1000</b>
<p><b>STAGE 2. INDUSTRIAL HYDRAULICS</b> (4 Day Course: Mon 1:00pm – Fri 12:30pm) <i>For technical staff working at intermediate to advanced level with industrial hydraulic systems. Includes practical hands-on exercises.</i> <b>RECOMMENDED pre-requisite, Stage 1 Hydraulics</b></p>	12-16 Jan 09 9-13 Feb 09 9-13 Mar 09 11-15 May 09 30 Mar-3 Apr 09	15-19 June 09 10-14 Aug 09 7-11 Sept 09 12-16 Oct 09	9-13 Nov 09 7-11 Dec 09	<b>£1000</b>
<b>ELECTRICAL/ELECTRONICS and CONTROL</b> (Awareness to Stage 2) Mobile and Static Systems				
<p><b>NEW – ELECTRICAL AWARENESS</b> (1 Day Course: 9am -5pm.) <i>Designed for non-electrical staff. This is an introductory course covering basic electrical principles, health and safety issues, safe working practices and procedures</i></p>	7 Jan 09 13 Feb 09 3 June 09	More dates to follow		<b>£300</b>
<p><b>NEW – STAGE 1. ELECTRO - HYDRAULICS</b> (2 Day Course: 9am -5pm.) <i>For non-electrical staff involved in the maintenance of electro-hydraulic or electro-pneumatic systems. Provides excellent support to Technical Sales, Project and Application Engineers. Practical down to earth course.</i></p>	8-9 Jan 09 9-10 Feb 09 9-10 Mar 09 5-6 May 09 22-23 June 09	More dates to follow		<b>£600</b>
<p><b>NEW – STAGE 2. ELECTRO - HYDRAULICS</b> (2 Day Course: 9am -5pm.) <i>For non-electrical staff involved in the maintenance, management and design of systems involving electrical/electronic control. Ideal for Technical Sales, Project and Application Engineers involved in writing and interpreting technical specifications.</i></p>	11-12 Feb 09 11-12 Mar 09 7-8 May 09 24-25 June 09	More dates to follow		<b>£600</b>
<p><b>NEW – STAGE 1. ELECTRO - HYDRAULICS</b> <b>MOBILE-</b> (2 Day Course: 9am -5pm) <i>For non-electrical staff involved in the maintenance and management of mobile systems involving electro-hydraulics and control.</i></p>	2-3 Feb 09 16-17 Mar 09 15-16 June 09	More dates to follow		<b>£600</b>

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<b>ELECTRICAL/ELECTRONICS, CONTROL &amp; AUTOMATION</b>		
<b>NEW – STAGE 2. ELECTRO – HYDRAULICS</b> <b>MOBILE-</b> (2 Day Course: 9am -5pm) Designed for non-electrical staff this more advance course is ideal for those involved in the maintenance, management or design of mobile electrical control and power systems. It will assist those involved in technical sales, project management, writing and interpreting technical specifications	4-5 Feb 09 18-19 Mar 09 17-18 June 09  More dates to follow	£600
<b>POWER PNEUMATICS AND ELECTRICAL CONTROL</b> (3 Day Course: 9am-5pm) This course is ideal for those involved in the maintenance and management of pneumatic and electro-pneumatic systems. It is a very practical course.	23-25 Mar 09 8-10 June 09 14-16 Sept 09 14-16 Dec 09	£ 800
<b>ELECTRONIC DRIVES</b> ( 1 Day Course: 9am-5pm)	ON REQUEST	£385
<b>PLCs (SIEMENS STEP 7)</b> (3 Day Course: 9am-5pm)	ON REQUEST	£900
<b>ADVANCED HYDRAULICS and CONTROL</b>		
<b>PROPORTIONAL CONTROL</b> (3 Day Course: 9am-5pm) Designed for mechanical and electrical staff involved in the installation, commissioning, maintenance, management and fault diagnosis of hydraulic systems involving proportional valves and controls. Practical course. <b>RECOMMENDED pre-requisite, Stage 1 Hydraulics</b>	7-9 Jan 09 18 -20 Mar 09 25-27 May 09 14-16 Sept 09 16-18 Nov 09	£900
<b>PUMPS AND PUMP CONTROL SYSTEMS</b> (2 Day Course: 9am- 5pm) Designed for staff involved in the maintenance and management of hydraulic systems requiring a more in-depth knowledge and understanding of pump types and the various control systems relating to particular applications. Will involve practical hands-on activities.	16-17 Mar 09 7-8 May 09 24-25 Aug 09 9-10 Nov 09	£700
<b>HYDRAULIC TROUBLESHOOTING</b> (2 Day Course: 9am- 5pm) Designed for staff involved in the maintenance and management of fluid power systems and control. This is a 50% practical course on actual fault-finding exercises in the lab at the NFPC. It takes a preventative view to start, then goes on to look at causes of failure, recognising symptoms and knowing the actions to be take. <b>RECOMMENDED pre-requisite, Stage 1 Hydraulics</b>	ON REQUEST	£700
<b>CONTAMINATION MANAGEMENT</b> (2 Day Course: 9am- 5pm) Designed for staff involved in the maintenance and management of fluid power systems. The course will provide a thorough understanding of contamination, its origin, ways of reducing ingress and systems for establishing and maintaining target cleanliness levels <b>RECOMMENDED pre-requisite, Stage 1 Hydraulics</b>	ON REQUEST	£600

Note. All courses will run with a minimum of 4 candidates. Discounts of 10% for all BFPA and BFPDA members. Other dates available on request for company group bookings. All prices shown include tuition, literature, refreshments and lunch. Accommodation lists are available on request.

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Visit our web site for full details of all our services and view our facilities [www.nfpc.co.uk](http://www.nfpc.co.uk)

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