



## Contamination Control and System Service Assurance

### Two-Day Course

### Lack of Contamination Control can be Devastating with Unforgiving Results!

This two-day course is designed to give a better understanding of the role fluid contamination control plays in the overall success of a machine. Participants will learn the steps required to evaluate and interpret contamination levels, filtration performance, component contaminant sensitivity, and the aspects of system reliability.

**Detroit, Michigan**  
October 27-28, 2005

**Chicago, Illinois**  
December 8-9, 2005

The main objective of this course is to prepare the participants for the task of establishing an effective fluid contamination control program at their own organization and to improve the reliability and service life of their machine systems. A further objective is to introduce the participant to methods of assessing, rating and specifying components that are critical to the overall success of their machine systems and introduce contemporary terminology. The scope of the course covers all fluid dependent system components, applications, and environments.

### Each attendee will learn . . .

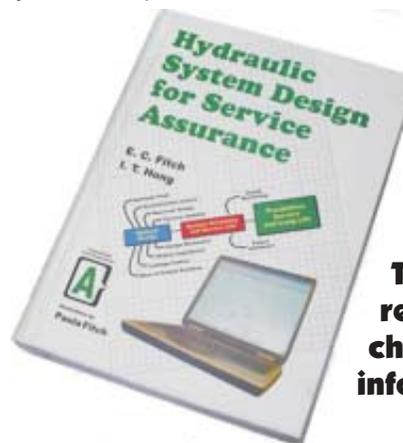
- the different types of system contaminants, how to identify them, and how they affect system and component performance.
- how to take fluid samples, the steps of sample analysis, the types of analysis, and how to interpret analysis results.
- how to select filters and evaluate their performance.
- how to evaluate component contaminant sensitivity and interpret results.
- how to use the information learned to improve system reliability and performance.

### This course is designed for

those responsible for the operational success of machine fluid systems--both hydraulic and lubrication. The course is particularly designed for those who need definitive information on advanced techniques and concepts to reduce fluid contamination levels and to improve the contaminant tolerance of system components. The course content is especially valuable to those designing, manufacturing, selecting, procuring, operating, and maintaining machine fluid systems.

### As an attendee you will receive

- Each attendee will receive a copy of the book entitled *Hydraulic System Design for Service Assurance* written by Dr. E. C. Fitch and Dr. I. T. Hong. In addition to the topic of fluid contamination control, the book covers fluids, reservoir design, heat, leakage, tribological wear, and many other topics. Packed with 692 pages of valuable information, the book applies to both hydraulic and lubrication systems. This book is a most important reference book for any technical person involved with fluid systems. A complete table of contents and sample pages are available on our website.
- A lunch valued at \$20 each day of the course



**Get a lock and hide the key. This book is a real treasure chest of valuable information.**

## A Circle of Knowledge

Among our many resources is a valuable research archive that extends over 50 years, a vast variety of technical advisors in the industry, and an intimate understanding of standard engineering practices. This knowledge base provides the foundation for the numerous books published by BarDyne, Inc. Please visit our website for more information--[www.BarDyne.com](http://www.BarDyne.com).



## Dates and Location

- Detroit, Michigan—October 27-28, 2005
- Chicago, Illinois—December 8-9, 2005

## Course Registration

To register for a course, please complete the registration form and return it by mail or fax. We will happily accept a company check, purchase order, Visa, MasterCard, or American Express for the cost of the course. All checks and purchase orders must be received before the course.

If for some reason you cannot attend, you may cancel your registration at any time or you may send a substitute. If you cancel less than 7 days before the course, there will be a \$50 cancellation fee. If you cancel more than 7 days before the course, your entire payment will be refunded, or your invoice canceled. In addition, if you cannot attend, you may request that your payment be applied to a future course—and if requested, the course material will be sent to you.

## In-house Courses

BarDyne also offers customized in-house courses. Course content can be adapted for each presentation to match your company needs, industry, schedule, and budget. Courses can be designed from the material in any of our books including Hydraulic Component Design and Selection, Hydraulic System Modeling and Simulation, Hydraulic System Design for Service Assurance, Fluid Contamination Control, and Proactive Maintenance for Mechanical Systems.

## 1.4 CEU Credits

BarDyne will present to each attendee a special Certificate of Completion at the completion of the course which will indicate the number of Continuing Education Units (CEU) awarded for the class. One CEU is awarded for each ten contact hours of participation.

## Registration Form

**Yes** Please register me for the **Contamination Control and System Service Assurance** course. The registration fee for this course is \$995 per person or \$895 per person for groups of three or more.

**Detroit, Michigan** – October 27-28, 2005

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**\$50 Early Bird Discount**

Available to registrations received two or more weeks prior to published course date and paid prior to the commencement of the course.

**Already have a copy of the course textbook?**

If you bring your book to the seminar, you may deduct \$250 from the price of the seminar.

**Are you a student or a professor at an academic institution?**

If so, you are eligible for a 50% discount (no other discounts would apply)

## Names of Attendees

1. Mr./Ms. \_\_\_\_\_

Title \_\_\_\_\_

2. Mr./Ms. \_\_\_\_\_

Title \_\_\_\_\_

3. Mr./Ms. \_\_\_\_\_

Title \_\_\_\_\_

## Company Information

Organization \_\_\_\_\_

Address \_\_\_\_\_

Mail Stop \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Phone \_\_\_\_\_ Fax \_\_\_\_\_

Email address \_\_\_\_\_

## Payment Information

Check payable to BarDyne, Inc. is enclosed.

Purchase Order number \_\_\_\_\_ is attached.

Charge to  Visa  Mastercard  American Express

Card number \_\_\_\_\_ Exp Date \_\_\_\_\_

Signature \_\_\_\_\_

## Register by

**Phone**  
(405) 743-4337

**FAX**  
(405) 743-2012

**Mail**  
BarDyne, Inc.  
5111 N. Perkins Rd.  
Stillwater, OK 74075

**E-Mail**  
HyPneu @  
BarDyne.com

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