



1312 S. Sangre Rd.
Stillwater, OK 74074
(405) 377-3333 x 251



COURSE COSTS:

Oklahoma based company

Class: \$635
Test- Certification \$0

Normal Cost: \$1,095

You save \$560 off retail cost!

Out-of-State Company:

Class: \$835
Test (Level I): \$0

Normal Cost: \$1,095

You save \$260 off retail cost!

SAVE \$1,102*

ON TRAVEL EXPENSES !

* Savings based on Stillwater, OK area hotels @ \$62/night vs. airline, hotel and car going to Philadelphia, PA.

“Bearing Maintenance & Technology” (WE201)

OPEN TO OPMUG MEMBERS

11th– 13th August 2009

DEADLINE TO ENROLL IS July 10TH!

Located at Meridian Technology Center’s Industrial Development Center



SKF Group Inc

Registration will be limited to the first 16 students that register!

<http://www.opmug.net/>

Course Objective: To provide information to improve the service life of rolling bearings, which improves the reliability of rotating equipment. Basic Maintenance and Technology use a combination of hands-on training, audio visuals, lectures and discussion opportunities.

Topics include:

- **Bearing Basics-** Fundamentals of rolling bearing technology, care, types, nomenclature, bearing components, terminology, loads and lubrication factors effecting the performance of rolling bearings. Bearing quality, Operating environments, Installation, Maintenance practices. Learn a basic understanding of why bearings fail.
- **Mounting and Dismounting-** Study proper bearing mounting and dismounting procedures and observe what happens as a result of careless handling, neglect and poor lubrication.
- **Fundamentals of Lubrication-** See the importance of selecting the proper lubrication for an application; learn to maximize bearing life through an improved understanding of proper lubricating principles and functions.
- **Bearing Failure Causes and Analysis-** Identify and interpret actual bearing failures.

COURSE PREREQUISITES

Participants should have an understanding of industrial safety. A Fundamental knowledge of and ability to use basic hand tools is required.

Reading Material:*

WE100 Bearing Basics

RB02002 Bearing Basics

SKF_4417E Self aligning bearing systems

*found at www.apititudeexchange.com, click on '[SKF Reliability Maintenance Institute On-Line](#)' (link is on the left side.)

Day 1:

- Chapter 1 Introduction
- Chapter 2 Bearing Basics
- Chapter 3 Designations
- Chapter 4 Ball Bearings
- Chapter 6 Roller Bearings

Day 2:

- Chapter 7 Shaft and Housing Fits
- Chapter 8 Mounting, Dismounting and Maintenance
- Hands on activities
 - Cold mounting
 - Temperature mounting
 - Mounting tapered bore Bearings
 - Hydraulic mounting
 - SAF Split housing Mounting
 - Cold dismounting
 - Hydraulic dismounting
- Chapter 9: Bearing Life

Day 3:

- Chapter 10 Rolling Bearing Lubrication
- Chapter 11 Bearing Damage Analysis
- Exam

Breaks are at the discretion of the instructor

Days are 8:00 to 4:30

Lunch is usually 30 minutes

HOTEL INFORMATION

Visit the OPMUG.net website or

Call Jeff Forquer
Meridian Technology Center for a list of area lodging.

405-377-333 x251

****Cancellation Policy****

A training class can be cancelled when, less than 75% funded and is less than 30 days from the start of class (training). In this case there will be a 100% fee refund for registered participants. If a registered participant cancels less than 10 days before the start of class (training) they will forfeit 50% of the registration fee.