

Gear Maintenance Seminar

Lufkin Industries, Inc.
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Our gear seminars are held three times a year. The schedule for 2010 is *April 13th & 14th*, *July 13th & 14th*, and *October 12th & 13th*. Please limit your participants to three or less per seminar. The class will be limited to the first 40 applicants. If we are over our limit when your registration arrives, we will schedule you for the next class. You will receive confirmation from my office within two weeks after we receive your registration form. If you have any questions, please do not hesitate to call (936)637-5708.

- There is no charge for this seminar.
- We recommend that you arrive the evening before the seminar begins.
- Please make hotel reservations with the Best Western (936) 634-3481. Tell them you are attending the **LUFKIN GEAR SEMINAR** to obtain Lufkin's corporate rate of \$84.00 for **the block of rooms we have reserved**.
- LUFKIN will provide transportation from the motel. Please meet our van at the lobby entrance at 7:30 AM both mornings for transportation to the factory.
- LUFKIN will provide coffee, juice and doughnuts both mornings, as well as both noon meals and dinner the first evening.
- **Hard sole shoes and long pants** must be worn in order to participate in the shop tour.

If interested in attending, please fill out form below and fax or mail to above listed numbers. If you need additional information, please call.

REGISTRATION FORM	
	Date: _____
Name:	1. _____ 2. _____ 3. _____
Company:	_____
Address:	_____
City/State/Zip:	_____
Phone:	_____ Fax: _____
Please check month: April ____ July ____ October ____	

LUFKIN GEAR MAINTENANCE SEMINAR

A one and ½ day seminar designed with the maintenance professional in mind. This hands-on seminar is for those involved in the upkeep of gearing. The sessions will include:

- *General discussion of gearing – defining terminology*
- *General discussion of installation – shimming, alignment, tooth contact*
- *Diagnosis of gear problems – causes of failure, emergency and long term repairs*
- *Analysis of operating characteristics – noise, heat, vibration*

A special feature of our seminar will be the hands-on demonstration of tooth contact and bearing adjustment. You will be given the opportunity to participate in the assembly of an actual new unit or repair unit in process.

Seminar Leader

Kenneth O. (Ken) Beckman

Ken is Chief Engineer of LUFKIN's Industrial & Marine Gear Product Design group. He joined LUFKIN in 1972, following graduation from Montana State University with a degree in Mechanical Engineering. He is active in the day-to-day design and application of gearing and has been a frequent lecturer at technical conferences and seminars.

Topic Leaders

- ❖ **Ed Martin** - Senior Project Engineer/Gears
- ❖ **Joe Varga** - Retired
- ❖ **Bill Reneau** - Field Service Manager
- ❖ **Scott Franks** - Engineering Manager
- ❖ **Art Nelson** - Quality Assurance Manager
- ❖ **Phil Terry** - Staff Metallurgist

Schedule

<u>Day One</u>		<u>Day Two</u>
8:00 AM	General discussion of gearing, types of gears, manufacturing methods, heat treatments, explaining and defining terminology.	8:00 AM Cause of Gear Failure
10:00 AM	General discussion of installation, foundation and base integrity, shimming, alignment, tooth contact.	8:30 AM Emergency Repairs
12 Noon	LUNCH	9:00 AM Long-term Repairs
1:00 PM	Assembly floor demonstration of bearing adjustment and soft blue contact check	10:15 AM Analysis of Operating Characteristics, how to interpret data on noise, temperature changes and vibration levels
3:00 PM	Shop Tour	11:15 AM LUNCH: With Q&A Session
4:30 PM	Adjourn	12 Noon SEMINAR ENDS
6:00 PM	Social Hour	
7:00 PM	Dinner	

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