108: How to Read and Interpret a Gear Inspection Chart

INSTRUCTOR:
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COURSE INFORMATION

Course Description
This half-day online seminar is intended to provide you with a thorough understanding of the information contained within a typical gear inspection report. Specifically, we will look at the contents and meaning of the information contained within the gear charts, as well as the techniques used by the gear measurement system to assess gear quality. We will also discuss how to interpret the results and what corrective actions may be considered if the quality of a particular gear is unsatisfactory.

Who Should Attend
This course will appeal to anyone who is interested in the measurement and inspection results of a GMM inspection and the associated gear charts.

Learning Objectives

- Understand the information contained in a typical gear inspection report, common to a GMM
- Comprehend how to read this information and relate it to the design and requirements of the gear being inspected
- Appreciate the relationship of the results of the gear inspection charts and report with the quality requirements as stated in the design or drawing
- Discuss some of the new and automated gear design systems

Required Textbook
Textbook will be provided by MPMA

COURSE OUTLINE

Measurement systems, tools, techniques
Measurement results and interpretation
GMM inspection chart, how to read, how to interpret

STUDENT FEEDBACK AND GRADING PROCEDURES

Assignments
There will be a short self-graded quiz at the end to show knowledge transfer.

COURSE MANAGEMENT

Weather Delays and Cancelations
We will communicate any cancellations, delays or other concerns for safety prior to class via email, voicemail, and/or text message. Please be sure that we have all pertinent contact information as you travel to your class location.

Attendance for Domestic and International Students
Please be mindful that these are short, accelerated courses. Attendance is extremely important. If you are going to be absent from any class day, please contact the course coordinator.

Plagiarism, Cheating and other types of Misconduct
Plagiarism[1], cheating and other types of misconduct are unacceptable.

Students with Disabilities
Students requiring assistance and accommodation should complete the Special Accommodation Request form and submit it to our Education inbox at education@motionpower.org. Or we can be reached by calling 703-684-0211.

Grievance Procedures
Students who have concerns about the class are encouraged to contact any Education Department staff at education@motionpower.org or by calling 703-684-0211.

Outline Changes
The instructor reserves the right to modify the outline during the course of the class.

LEARNING AND OTHER RESOURCES

Links for writing resources:

- grammar.ccc.commnet.edu/grammar
- www.merriam-webster.com

Links for Math resources:

- www.sosmath.com
- Khan Academy on www.youtube.com

Links for time management, study skills and note taking resources:

- www.mindtools.com
- www.testakingtips.com

Links for career resources:

- https://www.agma.org/newsroom/jobs/

Industry News:

- https://www.agma.org/newsroom/industry-news/

1 Plagiarism is defined as "the use or close imitation of the language and thoughts of another author and the representation of them as one's own original work."