



CONDITION MONITORING WORKSHOP

SGS

CONDITION MONITORING WORKSHOP

SGS Herguth Laboratories offers a unique Condition Monitoring Workshop designed for operators, maintenance personnel and management personnel of industrial plants. This course focuses on the specific machines, lubricants, and lubricant-related maintenance problems commonly found in industrial plants.

COURSE TOPICS INCLUDE

- Friction and Lubrication
- Lubricants and the 12 Mechanisms of Wear
- Base Oil Composition
- Additives and Their Functions
- Machine and Lubricant Combination
- Laboratory Methods for Measuring Wear Metals and Inorganics
- Laboratory Methods for Measuring Contamination
- Laboratory Methods for Measuring Remaining Useful Life
- On Site Evaluation and Instrument
- Lube Oil and Grease Sampling Methods
- Filtration Systems
- Sample Frequencies/Analysis Packages
- Interpreting Lubricant Analysis Reports
- Program Planning

CLASSROOM DEMONSTRATIONS INCLUDE

- Wear and failure mechanisms
- Effects of additives
- Effects of contaminants
- Lubricant mixing

Students will also learn to use simple tools and techniques for on-site analysis and evaluation of oil samples.

CLASSROOM EXAMPLES

With real samples, data and case histories, students will be given a situation and lab report and will be guided through the process of making diagnoses and maintenance recommendations.

WHO SHOULD ATTEND?

- Maintenance Personnel
- Engineers
- Operations
- Personnel who are interested or responsible for planning, implementing, administering or supervising a lubricant analysis program

The course will feature an approach to understanding and managing lubricant analysis programs for equipment condition monitoring.



SGS is the world's leading inspection, verification, testing and certification company. Recognized as the global benchmark for quality and integrity, we employ over 80 000 people and operate a network of more than 1 650 offices and laboratories around the world.

SGS NORTH AMERICA INC. OIL, GAS AND CHEMICALS SERVICES

SAN FRANCISCO AREA

101 Corporate Place
Vallejo, CA 94590, USA

CHICAGO AREA

1600 Shore Road, Suite H
Naperville, IL, 60563

Toll Free: +1 800 645 5227 (OIL-LABS)

Phone: +1 707 554 4611

Fax: +1 707 554 0109

WWW.SGS.COM/OILCONDITIONMONITORING

WWW.SGS.COM/HERGUTH