



Centre For Industrial Solutions and Advanced Training

A Global HR and Industrial Solutions Provider Company

An ISO 9001:2015 Certified

GST No: 27ABBPW5589J1ZV; www.cisat.co.in; cisat.nagpur@gmail.com; Contact: +91-7709012815

Communication Address: S-206, Saraswati Apartment, Opp Nisarga Lawn, Friends Colony. Katol Road, Aakar nagar Road, Nagpur-440013, MH

Two Days Training Programme on

ADVANCES IN LUBRICATION AND LUBRICANTS

(19-20 Sept 2019 at Kolkata)

It is often said that industry rides on a film of oil and that this film of oil is frequently taken for granted. It's time we start talking about "precision lubrication," giving it the same degree of urgency and importance as say, precision alignment. These Two Days course covers the recent advancement in lubricant understanding "the Rights" about lubrication and lubricant so as to run your machine a long and happy life.

Learning Objective:

The course will train you to identify the Right lubricants at Right time & Right Quantity through delivery of Frictions & its effect on machine life, lubricants & its types, performance characteristics, Additives' roles and effect, factors for selection of right kind of lubricant, test methodology & its significance, storage, handling, dispensing and failure analysis.

Training Contents cum Delivery Schedule:

| Day 1 | Day 2 |
|---|--|
| Session: I [9.30 am to 1.30 pm] with 15 min Tea break <ul style="list-style-type: none">• Introduction• Basics of Lubrication• Why Lubricate Machines• Types of Lubricants• Lubricant as Maintenance kit | Session: [9.30 am to 1.30 pm] with 15 min Tea break <ul style="list-style-type: none">• Review of Day-I (15 min)• Grease Compatibility• Effect of over greasing• Fundamental of Industrial Oils (Four major Types) and Performance Parameters / Test Standards• Understanding basic performance characterises for different lubricating oil |



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| | |
|---|---|
| | <ul style="list-style-type: none">• Factors affecting performance Failure mode of Lubricants |
| Session : II [2.30 pm to 5.30 pm] with 15 min Tea Beak <ul style="list-style-type: none">• Oil vs. Grease Lubricants• Classification and source of Base Oil• Characteristics of Base oil• Additives and Role & Type of Additives• Grease as Lubricant• 5 major Tribological Tests for Grease and its significance• How grease fails and what to look for• Q&A Session | Session: II [2.30 pm to 5.30 pm] with 15 min Tea break <ul style="list-style-type: none">• Lubrication Systems• A few Case Study• Sources of Contamination• Storage and Handling• Safety and Best Practices• Q&A Session• Review |

Delivery Methodology:

- Introduction and Objective Setting
- Pre and Post Test as required.
- Knowledge Presentations,
- Assignments & Exercise,
- Learning through Case Study.
- Feedback and Assessment
- Discussion and Interaction.
- Delivery 9:30 AM to 17:00 PM including lunch/Tea breaks.



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Registration:

Dates of the program: 19-20 Sept 2019 at Kolkata.

Participation fees: INR 24500/- per delegate (excluding GST@18%, includes training material hard copies, tea, lunch & snack, excluding lodging and boarding)

Payment: ECS/DD in favor of "Centre for Industrial Solutions and Advanced Training" payable at Nagpur, Maharashtra, India. Account no: 0509102000003353
Bank: IDBI, Wardha- 442001, MS, India; IFSC code: IBKL0000509; MICR code 442259001.

Venue: Kolkata, WB (Hotel The Lindsay, Lindsay Street, New Market)

Contact for Registration: Vikas-7709012815; 8669546332,

cisat.nagpur@gmail.com, www.cisat.co.in.

Expert Profile:

SK roy, is a Chemical Engineer by profession from IIT Kharagpur. He has work experience over 25 years in Lube manufacturing company based in Kolkata. He has been instrumental in launching new product and extending technical support to customers in case of urgency. He has been in the key role for failure analysis and condition monitoring.

He has over ten papers in seminar and conferences and published quite a number of technical article in technical magazines. Mr Roy has carried out no of Lube Survey and Lube Audit as well and has a passion for sharing his knowledge through such contact courses. Mr Roy is a IRCA Certified Lead Auditor in ISO 9001, 14001 & OHSAS 18001 ans NABL ISO/IEC 17025 (Lab management system) and in his current role holds the responsibility of System Certification. He has also completed a course on Fire Safety and Risk Assessment.

Contact for any of Inhouse Training requirement.

"A Complete HR Solution (Outsourcing) under One roof"

(HR Services, Behaviour Analysis/Training-Technical-Electrical/Mechanical/Automation/Chemical, Behavioral, Soft Skill, Safety, Out Bound, Business Excellence, Safety Audit, Energy Audit, Skill Gap Analysis/Automation Solution/Sales & Service; PLC/Drives, Productivity and Time and Motion Study, Improvement Projects, TPM, 5S and Six Sigma Implementation, Technicians Training)

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