MAINTENANCE WORKSHOP
Reliability starts here...

...Enhancing the skills of your team for installation, repair and rebuild of all equipment
Loctite Maintenance Workshop can be tailored to meet the needs of your plant/workshop. They are conducted on site giving hands on training with reviews of common failure causes and prevention methods.

AFTER A MAINTENANCE WORKSHOP

Your work force will have the knowledge and the tools to do the following:

SAVE TIME
• Reduce routine maintenance tasks
• Reduce standard repair time
• Reduce redundant repairs
• Reduce extended repair times
• Reduce unnecessary repairs

REDUCE ENERGY COSTS
• Air leak 1mm @ 600kPa @15c per Kwh = $360 lost per year
• Loose connector on 480 volt, 30 amp, 3 phase motor = 13% more energy needed to run

REDUCE FLUID CONSUMPTION
• Hydraulic leak @ 1 drop/second @ $12.00ltr = $18,396 lost per year
• Reduce disposal costs
• Reduce clean up time and materials
• Minimise environmental impact, i.e oil disposal

IMPROVE RELIABILITY
• Quality production
• Extend Mean Time Between Failure
• Reduce minor stoppages for adjustment
• Fewer needless variables for Planned Maintenance
• Enlarged reliability culture

Loctite® MRO Kit –
All your MRO needs in the one Handy Toolbox

The Loctite® MRO Kit is an easy-to-carry, rugged & lockable toolbox packed with the necessary tools to reduce plant down time and drive down maintenance costs.

KIT CONTAINS: (Part No. MROKIT)
Loctite® 243 Nut Lock Medium Strength (50ml)
Loctite® 263 Stud Lock High Strength (50ml)
Loctite® 268 Threadlocker High Strength (19g)
Loctite® 401 Instant Adhesive (25ml)
Loctite® 438 Instant Adhesive (25ml)
Loctite® 515 Master Gasket (50ml)
Loctite® 567 Master Pipe Sealant (50ml)
Loctite® 569 Hydraulic Sealant Medium Strength (50ml)
Loctite® 609 Retaining Compound Medium / High Strength (50ml)
Loctite® 680 Retaining Compound High Strength (50ml)
Loctite® 7471 Primer (133g)
Loctite® Anti Seize Stick (20g)
Loctite® Freeze And Release (310g)
Loctite® Metal Magic Repair (113g)
MAINTENANCE WORKSHOP TRAINING SYLLABUS

Hands-On Product and Reliability Training

INTRODUCTION
- Who is Loctite
- Primers and their use
- Anaerobic basics
- Maintenance Workshop Outline

THREADLOCKING
- How a threaded fastener works
- Advantages and disadvantages of mechanical locking devices
- Chemical Threadlockers
  - How they work
  - Product selection
    - How to select the right product
    - How substrates affect performance
    - Temperature and other environmental factors
  - Application techniques
  - Hands-on demonstrations
- Mechanical Locking Devices
  - How they work
  - Product selection
    - How to select the right product
    - How substrates affect performance
    - Temperature and other environmental factors
  - Application techniques
  - Hands-on demonstrations

THREAD SEALING
- Types of threads and fittings
- Causes of leaks
- Chemical Thread Sealants
  - How they work
  - Product selection
    - How to select the right product
    - How substrates affect performance
    - Temperature and other environmental factors
  - Application techniques
  - Hands-on demonstrations

GASKETING
- Why gaskets fail
  - Design and service factors
  - Gasket materials and dressings
  - Assembly problems
- Form-in-place gasketing basics
  - Product selection
    - Rigid cast flanges vs. flexible flanges
    - Service factors
    - Anaerobic and silicone (RTV) gasketing
  - Hands-on demonstrations

RETAINING
- Types, classes, and typical uses of cylindrical fittings
- Potential fit problems and possible solutions
- Retaining Compounds
  - How they work
  - Product selection
    - How to select the right product
    - How substrates affect performance
    - Temperature and other environmental factors
  - Application techniques
  - Hands-on demonstrations

LUBRICATION
- Explore basic functions of anti-seize compound
- Analyse why assemblies “seize”
- Identify basic components of an anti-seize compound
- How anti-seize works
- Determine correct anti-seize for specific applications

BONDING
- Explore bonding basics
- Review conventional joining methods
- Analyse why bonded joints fail
- Identify different adhesive types and advantages
- Practice application of Loctite adhesives
- Selecting the correct adhesive
JOIN AUSTRALIA’S LEADING INDUSTRIAL COMPANIES WHO HAVE ATTENDED THE LOCTITE® MAINTENANCE WORKSHOP.

Blue Scope
Bosch
Mars Confectionery
Kraft Foods
Seaworld
Amcor
Pacific Marine Group
Rio Tinto

For more information about “Loctite® Live” or to schedule a training session at your workplace, call 1300 88 555 6.

Take the time and travel out of training with the “Loctite® Live” Training Vehicle. These mobile training laboratories are state-of-the-art mobile classrooms complete with testing and demonstration apparatus. Designed to seat up to 8 people in insulated and air-conditioned comfort, technical training can be conducted on-site and interruption-free.

Improper Surface Preparation Leads to Coating Failures

Adhesive Failure: coating detaches from the substrate, usually associated with inadequate or poor surface preparation.

Cohesive Failure: coating breaks within itself instead of at the substrate.

Substrate Failure: coating remains on failed substrate, where substrate shears away.

Surface profile is critical to coating performance by:

1. Increasing the surface area.
2. Providing an “anchor pattern” for the coating to lock and adhere to.

Surface profile and metal cleanliness go together to provide the best for excellence of adhesion to the surface.

High adhesion to substrate can resist under/film corrosion. Loctite® Polymer Composite Products can have bond strengths to properly prepared surfaces up to 350 kg/cm² (approximately 5,000psi).

LOCTITE ALSO OFFERS SURFACE ENGINEERING TRAINING.
FOR FURTHER INFORMATION CONTACT YOUR LOCAL LOCTITE APPLICATION ENGINEER.