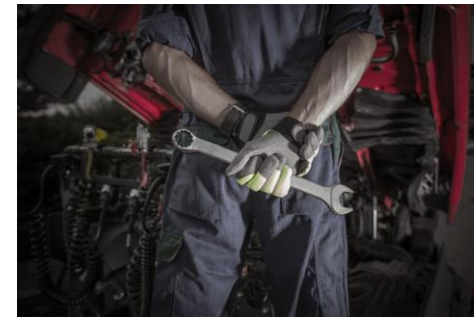




Maintenance and Prevention

Maintenance and Prevention

- Regular machine maintenance
- Oil and filter replacement
- Adjustment
- Failure prevention



MAINTENANCE AND PREVENTION



- **Maintenance**

- Maintenance is the regular care of machines to keep them in good working condition
- It includes inspection, servicing, and replacement of worn parts
- Proper maintenance increases reliability ទំនុកចិត្ត and lifetime of machines អាយុកាលម៉ាស៊ីន

MAINTENANCE AND PREVENTION

- **Importance of Maintenance**

- Regular maintenance reduces the risk of unexpected failures
(មិនដំណើរការ)
- It improves performance and efficiency of machines
- Preventive actions are usually cheaper than repairs

REGULAR MACHINE MAINTENANCE



- **Regular Maintenance**

- Maintenance should be performed at defined intervals based on time or usage
- Follow manufacturer recommendations ការណែនាំពីរោងចក្រផលិត and service schedules
- Regular checks help detect problems early

REGULAR MACHINE MAINTENANCE

- **Basic Maintenance Tasks**

- Cleaning, lubrication, tightening of bolts, and visual inspection
- Checking fluid levels and condition of components
- Keeping machines clean helps prevent damage

OIL AND FILTER REPLACEMENT

- **Oil Replacement**

- Engine oil lubricates moving parts and reduces friction
- Oil degrades over time and must be replaced regularly
- Using correct oil type is essential

OIL AND FILTER REPLACEMENT

- **Filter ជំនួស Replacement**

- Filters remove dirt and impurities from fluids and air
- Common filters: oil filter, fuel filter, air filter
- Dirty filters reduce performance and can damage the engine

OIL AND FILTER REPLACEMENT

- **Importance of Clean Systems**

- Clean oil and filters ensure proper engine operation
- Contaminated systems ប្រព័ន្ធដែលមានសារធាតុកខ្វក់ increase wear and risk of failure

ADJUSTMENT

- **Adjustment**

- Adjustment means setting components to correct values and positions
- Proper adjustment ensures efficient and safe operation

ADJUSTMENT

- **Examples of Adjustment**

- Valve clearance, belt tension វិចិត្រសាស្ត្រ, and alignment of components
- Incorrect adjustment can lead to wear or malfunction

FAILURE PREVENTION

- **Failure Prevention**

- Prevention focuses on avoiding problems before they occur
- Early detection reduces repair time and cost

FAILURE PREVENTION

- **Good Practices**

- Regular inspection and timely maintenance
- Use correct tools, parts, and procedures
- Keep records of maintenance and repairs

FAILURE PREVENTION

- **Operator Responsibility**

- ✓ The operator should monitor machine condition during use
- ✓ Unusual noise, vibration, or performance should be checked immediately