

KOMATSU MACHINE MAINTENANCE

MODULE 1 : INTRODUCTION AND GENERAL SERVICE

1. Module Details

1.1 Module Name

Introduction and General Service

1.2 Nominal Duration

8 hours

1.3 Discipline Group

4.1.1.1	General Mechanical Engineering Trades Person
4.2.1.1	Motor Mechanic
4.2.1.2	Automotive Electrician
4.3.1.1	Electricians

2. Module Purpose

This module provides people who hold trade qualifications in either automotive, engineering or electrical or equivalent industry experience with the knowledge and skills to understand the overall machine design and structure and to be able to perform regular periodic maintenance.

3. Pre-requisites

Holding trade qualifications in either automotive, engineering or electrical or equivalent industry experience.

4. Content

On the completion of this module the participants will be able to:

- a) Identify the specific safety requirements for maintenance and repair of the Komatsu Machine.
- b) Demonstrate knowledge of the design features and characteristics of the Komatsu Machine.
- c) Locate and identify major components.
- d) Describe the operational differences between previous model Komatsu machines.
- e) List the optional equipment available for the Komatsu Machine.
- f) Locate service points and describe the specific service requirements for each point, as stated in the machine operating manual.

It is suggested that the following areas be covered in the learning process:

- Safety requirements and considerations when working on equipment including Komatsu's OHS & E policies, procedures and programs.

- **Design Characteristics of the following (as applicable):**

Engine	Hydraulic System
Powertrain	Work Equipment
Suspension and Steering	Electrical and Electronics
Hoist Systems	
Propulsion Systems	

- **Components and Sub Assemblies Locations:**

Engine	Steering
Torque Converter	Instrument Layout
Transmission	Machine Controls
Final Drive	
Hydraulic System	

- Optional Characteristics of the engine, powertrain, hydraulic system and steering system.
- Basic machine service requirements for engine service, powertrain service, hydraulic system and work equipment utilising monitor panel as required.