

**STANDARD OPERATING PROCEDURE
FOR
EQUIPMENT MAINTENANCE**

Version : 1



■ To study the Operator Hand Book Supplied by the Original Equipment Supplier.

■ To Ensure that recommended scheduled maintenance is carried out on the Equipment by Qualified /Trained/ Competent /Authorized service outlets .

■ Understand the Warranty Policy of the Equipment. The adherence to the Warranty Policy so as to maximize our Warranty Claims .

■ To ensure that we do not use Contaminated or Adulterated Fuel. This translates into -that we are sure about the source of the Fuel. Use of Adulterated Fuel first translates in the failure of the Fuel Pump followed by the colour of the Emitted Smoke and Finally the Engine. This has a serious fallout on the overall life of the engine and the Equipment.

■ Ensure there are no leakages of the Fluids being used in the Equipments –like Fuel, Engine Oil, Hydraulic Oil, Coolants, Air , Water. This again translates into losses and



■ Equipments where in there are water separators are provided for the Fuel system – the same needs to be drained periodically. This would avoid entry of Water into the Fuel system.

■ Never allow the Equipment to run out of Fuel. The same would result in the Damage of the Fuel Injection Pump.

■ Run the engine of the Equipment in a Low idling speed for at least One minute after starting and before shutting the Engine. This would enhance the life of the Turbo Charger of the Engine.

■ All the Equipments are provided with various types of Filters for Air, Fuel, Lubricants and Hydraulic fluids. Depending on the Operating condition and Operating Environment as well as taking in to consideration the indicators provided for these Equipments please ensure that these Filters are cleaned at regular intervals or changed at regular intervals.

■ For the Dry Type Air Filters whenever it shows a Red Band, the Air Filter Housing and the Primary Cartridge needs to be cleaned. Following this the service indicator needs to be reset.



■ Lubricants reduces the Metal Fatigue and enhances the life of the Metal. Please use the recommended quantity and quality of the Lubricants and Greases. The List of the recommended Lubricants and Grease is mentioned in the Operator Hand book. The same should be obtained from reliable sources only. The use of Excess Lubricants is also a problem area as like non use of Lubricants.

■ In case of applying Grease to the Bearings – do not pack the Bearing with the Grease as the same will be wasted. Instead a thin film of Grease needs to be applied.

■ Maintain the correct tyre pressure to enhance the life of the tyre. The recommended air pressure in the given terrain and environment needs to be maintained. Use of inaccurate tyre pressure reduces the life of the tyre.

■ Foreign Particles that enter the groove of the tyre also needs to be removed. These particles only cut the tyre and reduce the life of the same.

■ The Wind Screen of the equipment has to be clean and visible. Apart from the visibility it also enhances the fuel mileage.



■ Each of the Equipments come with Warranty for the same and its parts. Warranty of the Equipment only ensure the performance of the same and the parts of the equipment for a stipulated time only.

■ Warranty does not cover the normal wear and tear of the equipment or its parts. The Warranty gets rejected on account of damage due to negligence or improper operation .

■ With in a warranty period we need to differentiate between the normal wear and tear of the parts and the failure of the parts and systems of the equipment. The Failure of the Parts and Systems needs to be claimed with the competent authorities of the OEM.

■ The Warranty details are also mentioned in the Operator Hand Book.



Thank You

