

## READ CAREFULLY BEFORE STARTING

### Primary Instructions for Operating Horizontal Water Cooled Diesel Pump Sets

- 1) Engine is to install at open space to get sufficient Air.
- 2) To Install Engine / Pump Set on trolley or on base frame and keep on wooden / concrete foundation to minimize vibration at possible level.
- 3) To fill “FIELDMARSHAL” Lubricants (P.S.O / 20W40) in the oil chamber of Engine & Centrifugal Pump. (1000ml to 1250ml oil in chamber of engine up to upper mark on oil gauge while 200ml to 250ml oil in chamber of Centrifugal Pump *i.e.* Do not fill up to neck of chamber to keep some empty portion for Air Circulation).
- 4) To fill clean & pure Diesel in the fuel tank and close the cap properly.
- 5) Engine is water cooled hence join by steel connection pipe to water inlet plug of engine and water outlet nipple of centrifugal pump and also fit rubber pipe piece on water outlet of engine.
- 6) To close Drain cock of Cylinder Head.
- 7) Before starting the Engine to pour water in to water outlet pipe.
- 8) To keep fuel cock in OPEN position.
- 9) If you find Air bubbles in the fuel pipe then loosen the Benjo Bolt of Fuel Pump then tight again after removing Air bubbles.
- 10) To keep & tight speed control lever (RED KNOB) on RUN position at Lower side.
- 11) To hold Decompression lever at Outside by Left Hand and crank the Starting Handle by Right Hand and release the Decompression lever then after crank one or two turns more for starting the engine properly.
- 12) As soon as engine start, shift the speed control lever (RED KNOB) at STOP position for a moment and immediately shift & tight at MIDDLE position.
- 13) After starting the engine to check that water is constantly coming out from water outlet; if not water coming out then clean water Inlet & water outlet plug.
- 14) For stopping the engine, shift speed control lever at STOP position and also close the fuel cock.
- 15) To stop engine at every 8Hours of running and check Oil & Fuel level.
- 16) If the engine is to be not used for long period of time then open drain cock of Cylinder Head for drain out water and also drain out Oil & Fuel and clean the engine.
- 17) To remove Air Cleaner and pour clean Oil and then rotate wheel for some times and keep on TDC (‘0’ marking / position) at Top on Fly Wheel.
- 18) Cover Air Inlet & Exhaust by plastic paper and keep engine under clean & dry air.

**Moreover you may refer the Instruction Manual given along with the Pump Set for maintenance & trouble shooting or you can contact the dealer or company through phone / letter.**