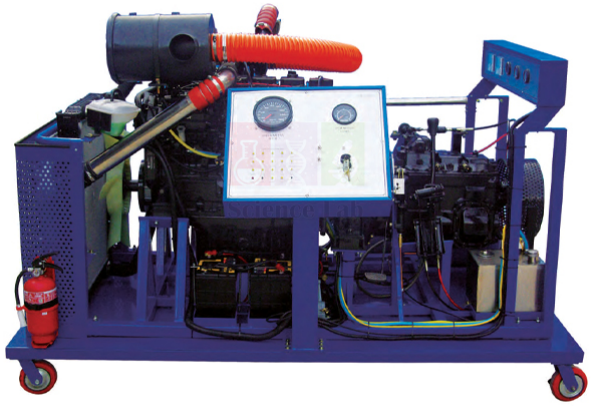
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Product Name :

Large Yard Tractor Engine Fault Diagnosis System

Product Code :

SLE/ATE/24



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Description :

The Large Yard Tractor Engine Fault Diagnosis System puts a Cummins diesel engine assembly of 400HP or more on a guarded, wheeled frame for heavy-engine fault finding. Trainees start it from a key switch, read oil pressure, voltage and current on the control panel, and test sensors and circuits at a 20-port diagnosis terminal while the instructor sets faults with the Auto Fault function.

Yard tractor engine fault system specifications

Parameter	Detail
Engine	Cummins diesel engine assembly, 400HP or more
Fuel and electrical	Fuel filter, removable fuel tank, fuel pump, battery, generator
Cooling	Radiator on its own stand, electric fan cooling system, overflow tanks, antifreeze
Exhaust	Exhaust components such as an exhaust silencer
Controls	Ignition key switch, control box, accelerator lever
Control panel	Meter, oil pressure gauge, voltmeter, ampere meter, power switch, power lamp, 20-port diagnosis terminal
Diagnosis	Auto Fault function; connector-checking socket for inspecting sensors and actuators
Frame and protection	Stainless steel moulded guards, laser-processed protection panel, anti-vibration dampers, urethane wheels
Weight and size	Approx. 650 kg; approx. 2,400 × 1,500 × 1,500 mm
Product code	SLE/ATE/24
Minimum order	10 units
Dispatch	Usually within 7 to 10 working days
Manufacturer	ScienceLab (Jain Scientific Equipments Pvt Ltd), Ambala, India

Heavy diesel service tasks on the yard tractor engine

Walk-round and first start. Check the oil, the coolant in the overflow tanks and the fuel, and look over the belts and guards. Start from the key switch and watch the oil pressure gauge rise, then log the warm idle readings of oil pressure, voltage and current as the baseline for later faults.

Charging and maneuver circuits. Trainees compare the panel voltmeter and ampere meter with their own readings at the battery and generator, taken with a digital multimeter. They then measure voltage and current in the maneuver circuit and expla

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