

TROUBLESHOOTING SCENARIOS	
FORM NO	TR003
SCENARIO NAME	Pump Oil Pressure Lower than alarm limit
SYSTEM NAME	Lubricatio System
Max Time	5 min
SYSTEM DESCRIPTION	<p>The lubricating oil is pumped from a bottom tank by means of the main lubricating oil pump to the lubricating oil cooler, a thermostatic valve and, through a fullflow filter, to the engine inlet RU.</p> <p>RU lubricates main bearings, thrust bearing, axial vibration damper, piston cooling, crosshead bear- ings, crankpin bearings. It also supplies oil to the Hydraulic Power Supply unit and to moment com- pensator and torsional vibration damper.</p> <p>From the engine, the oil collects in the oil pan, from where it is drained off to the bottom tank. By class demand, a cofferdam must be placed underneath the lubricating oil tank.</p>
Describe the problem	LO Master Pump has problem PT8101-A: 0 Mbar
Preparation	<ul style="list-style-type: none"> You will hear heavy sound in ER Signal light column for machinery alarm is illuminated Alarm list, ECUXXM_5136
SCENARIO ALGORITHM	<ol style="list-style-type: none"> BEGIN Heavy Alarm sound and Signal light column for machinery alarm is illuminate Message on ESC MOP-A will appear: alarm messages with red letters Student will have to press ACKNOWLEDGE BUTTON in MOP. The alarm horn will SILENT and light on signal column will go OFF, The letters on message on ESC MOP-A change color to yellow letters Go from Lubrication Oil Master Pump Close inlet and outlet valves of filter Remove pump Remove pomp element and change for clean one Re-install new pump element Open inlet and outlet valves of filter Close redundant pump Messages on ESC MOP-A computer panel will DELETE END
QUATIONS	<p>What is LO pump's temperature during of operation main engine?</p> <p>What is LO pump's pressure the time of operation main engine?</p> <p>What are pump input and output valves before and after during the repairing the pump?</p> <p>What was exact alarm message?</p>
LEARNING OUTCOME	<p>Can maintain the LO system.</p> <p>Can detect the failure of the pump at LO system.</p> <p>Can repair the pump component at LO system.</p>