

TROUBLESHOOTING SCENARIOS	
FORM NO	TR001
SCENARIO NAME	Oil Filter Change
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	<p>LO Master Filter Diff. Clogged</p> <p>PT8105-A : 0.31 Mpa</p>
Preparation	<ul style="list-style-type: none"> <li>• Get new filter</li> <li>• Check safety measure</li> <li>• Alarms : EICUXXM_0353</li> </ul>
SCENARIO ALGORITHM	<ol style="list-style-type: none"> <li>1.BEGIN</li> <li>2. Heavy Alarm sound and Signal light column for machinery alarm is illuminate</li> <li>3. Message on ESC MOP-A will appear: <b>alarm messages</b> with <b>red letters</b></li> <li>4. Student will have to press ACKNOWLEDGE BUTTON in MOP. The alarm horn will SILENT and light on signal column will go OFF,</li> <li>5. The letters on message on ESC MOP-A change color to <b>yellow letters</b></li> <li>6. Go from Lubrication Oil Master Filter</li> <li>7. Close inlet and outlet valves of filter</li> <li>8. Remove filter cover bolts and remove cover</li> <li>9. Remove filter element and change for clean one</li> <li>10.Re-install new filter element</li> <li>11.Open inlet and outlet valves of filter</li> <li>12.Close redundant filter</li> <li>13.Messages on ESC MOP-A computer panel will DELETE</li> <li>14.END</li> </ol>
QUATIONS	<ol style="list-style-type: none"> <li>1. What is LO during operation operation main engine?</li> <li>2. What is LO pressure during operation main engine?</li> <li>3. What is gauges on main operation panel in ECR?</li> </ol>
LEARNING OUTCOME	<p>Can maintain the LO system.</p> <p>Can detect the failure of the filter at LO system.</p>