ENGINE DOESN'T SHUTDOWN WITH E-STOP UNIT

ENGINE DOES NOT SHUTDOWN BY LOW OIL OR HIGH COOLANT TEMP

Does the engine shutdown using the key switch?  
- NO  Refer to Section – Engine Won't Shutdown With Key
- YES
  
  Does the engine shutdown by grounding the (Blue/White) wire at the Emergency relay - CNS?  
  - YES  If NO, Refer to NOTE 1
  - NO  Replace Switch
    
    With the Water Temp Switch removed, does it measure open?  
    - YES  Check Connections
    - NO  Replace Switch

  Does the engine shutdown by opening the (Brown) wire at the Emergency relay-CNS?  
  - YES  If NO, Refer to NOTE 1
  - NO  Replace Switch
    
    With the Oil Switch removed, does it measure closed?  
    - YES  Check Connections
    - NO  Replace Switch

NOTE 1

Is there 12VDC at the Emergency relay CN4 (Blue) wire to ground?  
- NO  Emergency Unit is defective
- YES
  
  Is the resistance of solenoid 1.3 ohms?  
  - NO  Stop Solenoid is defective
  - YES  Inspect linkage at Governor or possible engine fault

OIL SWITCH – MQ PART # 1584139010
WATER TEMP SWITCH – MQ PART # 1753883040
STOP SOLENOID – MQ PART # 1627160012

ILLUSTRATION FROM DLW-400ES-ESA PARTS AND OPERATIONS MANUAL

If NO, Refer to NOTE 1
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