**Towboat– Mississippi Operations**

Installed an Engine Express System (Oil Quality Sensor + Express Monitor). QQS is hardwired to Express monitor which in photo shows Green Light – OK (left corner) Tan Delta Number 880 – Oil new TDN 904. Oil Temp 90.7 cold. 1.0 Day Rate of Change.

Express System to be hardwired to wheelhouse laptop which communicates to Port Eng. office. A Visual light is activated in the wheelhouse when TD Number Waring 600 is reached and/or Temp 215 F. Captain contacts fleet maintenance engineer and Port engineer.

A close up of a machine

Description automatically generated A close-up of a metal pipe

Description automatically generated ![A digital display with red letters and numbers

Description automatically generated with medium confidence]()

A close-up of a machine

Description automatically generated