

CFM-LR-01 Liquid fuel loss of containment - not able to shut down or actuate fire suppression

During normal operations, there is a failure of reservoirs, hoses or lines containing fuel, hydraulics, lubrication, coolant etc. and the loss of containment is not able to be controlled or shut down caused by:

- Non-standard installation of manual actuators confuses operator
- Failure in manual/auto shut off of machine
- Inability to manually activate fire suppression system (FSS) if machine left idling and there is a fire
- Damaged fire suppression actuation system
- Ineffective operation of fire suppression actuation system
- The fire suppression actuation switch is not able to be accessed from outside the mobile plant unit
- No integration of FSS actuation with machine shut off
- The liquid fuel continues to spray or flow into areas where it can ignite or reignite even after shutdown
- Liquid loss is not protected by fire suppression and/or is fed directly from storage tank

Credible Failure mode is addressed by:

- 🛡️ BI-02.02 Maintenance requirements cover all safety and operational systems on mobile plant
- 🛡️ BI-02.09 Regular checking and maintenance of alarms and monitors
- 🛡️ BI-02.12 Serviced and checked fire extinguishers on mobile equipment
- 🛡️ BI-02A.47 Fuel and exhaust specifications are detailed for mobile equipment
- 🛡️ BI-05.06 Regular monitoring of equipment status that predicts fires, alarms on equipment, and notifies
- 🛡️ BI-09B.02 General Fire Training
- 🛡️ BI-09B.03 Operator Fire Training