

## **CFM-DE-02 Solid fuel present on mobile equipment - specification weakness**

During normal operations, fuel other than liquid is present and can be ignited including:

- contact of components with a turbo charger, exhaust, electrical fault, etc.
- the fuel is present through OEM or third-party equipment or component design or design fault, this includes aftermarket retrofits e.g. combustible covers and guards on mobile equipment
- no consideration of products of combustion of flammable components (e.g. FRAS products that produce CN gases)
- batteries (on electrically powered vehicles) are flammable
- solid fuel hazard identification missed through - design and design specifications, audits, risk assessments, site acceptance etc.

This Credible Failure mode is addressed by:

- 🛡️ BI-01.52 Skilled and experienced personnel are accountable for selection of mobile equipment
- 🛡️ BI-02.01 Introduction of equipment to site process
- 🛡️ BI-02.11 Establish and maintain an effective mobile equipment maintenance strategy
- 🛡️ BI-02A.01 Fit for purpose equipment selection processes - General
- 🛡️ BI-02A.03 Fit for purpose equipment selection processes - Electrical Systems
- 🛡️ BI-02A.30 OEM Designs provide for installation of fire detection and suppression systems
- 🛡️ BI-02A.31 QA/QC Processes used in Manufacture
- 🛡️ BI-02A.44 Battery specifications are detailed for mobile equipment
- 🛡️ BI-02A.47 Fuel and exhaust specifications are detailed for mobile equipment