

CFM-DE-10 OEM does not provide an appropriate maintenance strategy for the supplied plant

Good equipment design and supply includes providing the operator with maintenance information. Some examples of failings are:

- Maintenance and servicing requirements not well identified and described e.g. brake systems, hot surface protection service life, mean time to failure for hydraulic hoses etc.
- Components that are critical for fire prevention or suppression not identified as requiring a tighter frequency of inspection or replacement
- Vulnerable parts of machine (fuel lines, piping, detectors etc.) not identified
- Inadequate equipment fire risk analysis provided with the Plant Safety Dossier
- The minimum requirements set by the OEM are below site requirements - and this is not identified during the development of the maintenance strategy by site competent persons

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-02.08 Fire suppression system is integrated into machine operation
- 🛡️ BI-02.50 Plant Safety Files - requirement to register and track plant components and certificates
- 🛡️ BI-02A.01 Fit for purpose equipment selection processes - General
- 🛡️ BI-02A.02 Fit for purpose equipment selection processes - fuel, lubrication and hydraulic lines
- 🛡️ 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.46 Fire suppression specification for mobile equipment
- 🛡️ BI-02A.47 Fuel and exhaust specifications are detailed for mobile equipment
- 🛡️ BI-02A.48 Flammable liquid line specifications are detailed for mobile equipment
- 🛡️ BI-02A.49 Fuel shut off specifications are detailed for mobile equipment
- 🛡️ BI-02A.60 Specification for an OEM Fire protection evaluation for mobile equipment