

**Maintenance personnel identify the common design controls found on mining mobile plant that prevent or mitigate a fire scenario**

- Routing, segregation and securing of hosing and cables (routed away from ignition sources, not rubbing, elec cables separate to hydraulics & fuel, secured adequately with fit for purpose clamps not cable ties)
- Battery cables protected with non-split conduit
- Battery terminals fitted with protective boots
- Protection of high temperature surfaces i.e. turbo & exhaust lagging / Fire walls
- Diffusion sleaving on at risk hydraulic hoses
- Drive Shaft guards
- Fire detection & suppression systems

**Maintenance personnel identify common maintenance checks performed on mining mobile plant that prevent or mitigate a fire scenario**

- Area around heat / ignition sources are clear of build up of combustible materials
- Area around heat / ignition sources are clear of oil leaks
- Condition of hosing in and around heat / ignition sources is in good condition i.e. no damage, rubbing, exposed wire braiding or cracking of outer cover
- Controls in place to separate heat / ignition sources from fuel sources and are in good condition Consider: turbo & exhaust lagging, firewalls, guarding, hose sleaving
- Fire suppression systems charged and operational

 Document Reference - MAC-STE-PST-025

**16.3 Defect Management**

Defects on MAC owned equipment are managed in accordance with MAC-MEC-STD-032 Maintenance and defect management standard and MAC-ELC-STD-091 Electrical maintenance.

 Document Reference - MAC-MEC-STD-028