

BI-02A.02 Fit for purpose equipment selection processes - fuel, lubrication and hydraulic lines

(Accountable - Engineering Manager (Site) (Unassigned))

Expectations

Equipment specifications include details on components that contain or contain flammable liquids. Where relevant, these reference standards, regulatory requirements and other industry information.

Specify

Site specifications may include: including:

- Steel lines for lubrication and hydraulic systems are a preferred component of supply
- If flexible hoses are used meet the requirements of Australian Standards AS 1180.10A and 10B and should be: fire-resistant, securely clamped away from hot surfaces located so that impact damage is minimised provided with bulkhead fittings where they pass through bulkheads colour-coded or labelled to identify liquids and gases being transmitted.
- Automatic fuel shut off if fault requires engine to stop
- Temperature monitoring of engine, exhaust and retarder temperatures
- Monitoring engine oil pressures, hydraulic pressures and temperatures
- Additional standards such as MDG or ISO relevant to the item of mobile plant are reviewed and relevant sections included in the nominated specifications which form part of the equipment selection process.

Implement

Ordering / selection of equipment is based on meeting specifications.

All equipment in use is approved and documented. The details of equipment being used are listed in asset registers.

OEM provided asset documentation is added to Plant Safety File. Maintenance planners review *introduction to site records* and add work orders for the maintenance of key systems.

Monitor

Competent person (e.g. reliability engineer, maintenance planner, asset manager, etc.) receive Intro to Site documentation (and add to site Asset register). OEM provided documentation is added to the Asset Plant Safety File.