

# BI-02A.54 Pneumatic specifications are detailed for mobile equipment

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

## Expectations

Compressor design and installation on mobile equipment meets operational and maintenance requirements.

## Specify

Specifications for pneumatic equipment used on mobile equipment are provided to OEMs/Suppliers and site maintainers. Compressor design and installation requirements (as per ISO 4144):

- Fit with temperature monitoring systems and a manual or automatic shutdown system unless only lubricants that are resistant to carbonization such as synthetic oils are used
- Filter on air intakes to prevent the ingress of foreign material.
- Simple air pressure vessels shall meet the requirements of ISO 4414 for air reservoirs.

## References

- ISO 19296 Mining - Mobile machines working underground - Machine Safety First edition 2018-11

## 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.