

BI-02A.45 Confirm that hydraulic systems performance meets OEM guarantees

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

Expectations

Hydraulic systems installed on mobile equipment meet operating and maintenance requirements.

Specify

Hydraulic System Operations - Temperature Monitoring and Alarms

- Temperature monitoring of hydraulic fluid temperature
- Temperature alarm that warns the operator of approaches to the maximum temperature as specified by the OEM

OEM operations and maintenance

- Overheating of fluid and components beyond rated temperatures does not occur when operated and maintained according to OEM instructions

Broader considerations around hydraulic fluid systems:

- Non-flammable hydraulic fluids or with flash/ignition points well above operating temperatures of the machine

References

- ISO 4413 Hydraulic fluid power - General rules relating to systems, Second edition 1998-08-15
- ISO 19296 Mining - Mobile machines working underground - Machine Safety, First edition 2018-11

Implement

Introduction of equipment to site processes confirm specified requirements are achieved on incoming mobile plant.

Maintenance schedules are generated on the basis of completed Intro to Site records for new (to site) items of plant.

Monitor

Competent persons monitor completion of Introduction of Equipment to site records and raise (as appropriate) work orders to meet maintenance strategies.

As required received documentation is included in plant safety file dossiers.