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## Section 2

### General Safety and Precautions

This section contains specific safety precautions that shall be followed whilst the machine is being used by suitably qualified operators. This list is *NOT* all inclusive and a measure of commonsense should always be applied together with established site specific risk assessment and safety procedures.

#### **ONLY TRAINED AND AUTHORISED OPERATORS SHALL OPERATE THIS MACHINE**

- DO NOT** use the machine for any purpose other than its intended use.
- DO NOT** for any reason exceed the indicated capacity of the machine.
- DO NOT** operate the machine unless all operator checks and scheduled servicing have been performed. Report any damage or faulty operation immediately and do not operate the machine until the fault has been corrected.
- DO NOT** tie down or tow equipment such that the chains or slings are not rated for the capacity of the machine and equipment.
- DO NOT** operate the machine unless:
- There are no tags attached stating otherwise.
  - All covers and guards are correctly installed.
  - Personal protective equipment is worn.
- DO NOT** start the machine unless:
- There are no tags attached stating otherwise.
  - The area around the machine is clear.
  - The park brake is applied.
  - Transmission is in *neutral*.
  - All water and oil levels are checked.
  - All site specific checks are completed.
- DO NOT** leave the machine unless:
- The machine is parked in a safe place.
  - The transmission is in *neutral*.
  - The park brake is applied and brake head pressure is *zero*.
  - The lift arms are lowered.
  - The engine is stopped.
- DO NOT** work on the machine in low ventilated areas while the engine is running.
- ALWAYS** sound the horn before starting the engine to alert anyone who may be around the machine.
- ALWAYS** ensure that the operator's compartment door is closed and made secure before operating the machine.

- ALWAYS** keep head, body and arms inside the operator's compartment at all times.
- ALWAYS** travel at low speeds in congested areas. Slow down while travelling around corners and sound the horn frequently in areas of limited visibility.
- ALWAYS** drive carefully, observing all traffic rules and regulations at your colliery and be in full control of the machine at all times.

**WARNING**

**Travelling at high speeds, on cross grades or articulating the machine with raised loads may cause the machine to become unstable.**

- ALWAYS** follow the correct isolation and tag out procedure before performing any servicing or accessing beneath or on the machine.
- ALWAYS** operate carefully and in a responsible manner and observe all Manager's Transport Rules.
- ALWAYS** refer to site JSA and SOP's prior to towing with the machine.
- ALWAYS** ensure sufficient ventilation is available to dilute exhaust gases. As stated on the machine's compliance plate.
- ALWAYS** Be aware of the hazard sources on the MH-40:
- Engine coolant pressure (see Section 5).
  - Engine coolant temperature (see Section 5).
  - Engine exhaust temperature (see Section 5).
  - Rotating radiator fan.
  - Stored hydraulic pressure (see Section 5).
  - Stored air pressure (Air receiver) (see Section 5).
  - Engine oil pressure and temperature.
  - Transmission oil temperature.
  - Articulation area (see Section 5).
  - Lift arm area (see Section 5).
  - Machine mass.
- ALWAYS** use correct boarding and dismounting procedures:
- Check floor.
  - Hold on, step down.
  - Three points of contact at all times.
  - Board using hand holds only, and not the steering wheel.
- ALWAYS** drive the machine to suit the conditions, report or rectify any holes and ruts, that may cause injury or damage to the equipment.
- NEVER** operate the machine under unsecured roof.

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- Keep your machine clean. A clean machine makes for a safer machine.
  - No diesel engine should be operated underground if it is smoky, running unevenly, or if the exhaust system is not in good condition.
  - In areas where auxiliary ventilation is used, the operator should make sure fans are operating before starting the machine.
  - The engine shall not for any reason be left running unattended underground.
  - The engine should not be shutdown from full load and must be allowed to idle for a few minutes before stopping.
  - Never operate a machine that you feel is mechanically or electrically unsafe.

## SAFETY LABELS AND INSTRUCTIONS

This manual contains important information affecting the safety of personnel and the equipment being used.

The safety instructions and behavioural rules are intended to protect operators from potentially dangerous situations and assist in the safe operation of the trailer and associated equipment.

The following symbols are used with safety instructions and identify varying degrees of hazardous conditions.

The safety instructions associated with these symbols are to be considered the minimum requirements for effective hazard and operational control.



**DANGER**

Points in the text marked with this symbol draw attention to immediately impending danger. Possible consequences are very serious or fatal injury.



**WARNING**

These points contain information on potentially dangerous situations. Possible consequences are very serious or fatal injury.



**CAUTION**

This symbol draws attention to potentially dangerous situations. Possible consequences are light to moderately serious injury and machine damage.



**NOTICE**

Points in the text marked with this symbol draw attention to potentially harmful situations. Possible consequences are damage to machine or equipment in immediate vicinity



**IMPORTANT**

Text marked with this symbol contains useful information associated with the machine and its application.