

### 3.13.3 Operators

Personnel knowledge of the job shall be specific for the task to be performed but not limited to it. Each operator shall be assigned to the particular duties under direction of the supervisor.

According to local standards in force, and considering that the launching girder is going to work in a construction yard interfacing with other related activities and machinery, it is Owner and supervisor responsibility to verify that the required workforce have been assessed of their excellent health through a written certification that identifies personnel evaluated by competent authorities.

All workers shall:

1. be familiar with the approved operational sequences and with the machine employment limits;
2. know and understand all the risks involved in their own and other workers tasks;
3. have the ability and the skills to carry out the duty appointed with regard to the procedures and the L120 use;
4. be familiar with lifting capacities;
5. be instructed to detect any equipment anomaly or developing fault within his area;
6. know all the basic signaling procedures including hand, acoustic, or radio signals.



#### Prescription

*It is extremely important that personnel are supplied with adequate devices to easily communicate to each other during L120 usability.*

*All personnel shall be aware of the working and emergency procedures as well as the ALL-CLEAR signal.*



#### Prescription

*Make sure an updated and approved copy of this manual and all its annexes are always available at site and all the personnel involved with the operations are familiar with it.*

### 3.13.4 Maintenance operators

The owner must ensure that the operations of inspection and maintenance are exclusively carried out by qualified personnel who shall:

1. have acquired the necessary specific training and experience,
2. have the knowledge of technical standards in-force in their sector;
3. be familiar with the safety prescriptions;
4. have the ability of assessing the possible risks to avoid the danger.

### **3        SAFETY**

### 3.1 General safety prescriptions

The user must carefully read the instructions reported in this manual, with particular concern to the safety precautions listed in this section.

**Warning**

*The machine operating area is a dangerous zone; admittance is forbidden to not authorized persons while the machine and its relevant equipment are working.*

**Prescription**

*Admittance to operating area is allowed only to authorized personnel.*

Moreover, it is necessary that the operator follows the prescriptions listed below.

**Warning**

*Failing to comply with the following prescriptions may result in serious injury, loss of life and property damage.*

- Make no modifications to the machinery without prior written consent of DEAL.
- Keep the machinery, the yard and the working place in clean and tidy conditions.
- Provide suitable boxes to stock waste materials that result from cleaning, maintenance, oil change operations, etc..
- Any access as emergency exit or escape way shall not be locked and shall be properly illuminated.
- DO NOT modify, remove or tamper safety devices; furthermore, perform their periodic check in order to guarantee their state of efficiency. DO NOT bypass any electrical safety switches or warning devices.
- All information signs and labels on the machine, including notices regarding prohibitions, obligations, warnings, safety and fire fighting prescriptions must be clearly legible and, if necessary, periodically cleaned.
- The operator in charge of the machine functioning and maintenance technicians must be AUTHORISED and TRAINED and have previously read and understood this manual, according to the safety regulations adopted in the yard.

**Prescription**

*Refer to Section 3.13 for personnel training.*

- Wear personal protective equipment as indicated in the instructions.
- Never begin any maneuver without prior having received the ALL CLEAR signal from the supervisor for load harnessing procedures and lifting operations.

- Check whether any person is present in the operation area and clear it if necessary; warn everybody that maneuvers are starting using the appropriate signal.
- Make sure that no persons are within or underneath the launching girder apart from those specified by the supervisor for each maneuver. Yet, everyone in the area must be clear of the load and aware that a load is being moved.
- At the end of each workday, or whenever the equipment is to be left unattended by the operator, or when the weather forecast predicts wind speed higher than 72 km/h, the launching girder must be packed in out of service configuration (refer to Section 6.6.13).
- Adjustments and maintenance must be carried out only AFTER the machine has been disconnected from power supply and all its elements have cooled down to the ambient temperature.
- DO NOT SUPPLY ELECTRIC POWER or PRESSURE TO HYDRAULIC PLANT prior to have reset safety protections and devices.

No work shall be authorized during the night if, for any reason, any of the safety measures to be taken during daytime cannot be maintained. Proper illumination shall be provided to the working site and to all access areas.

**Prescription**

*First aid facilities shall always be present at the working site.*

**Prescription**

*The use of cell phone/tablet shall be restricted to the machine operativity purposes.*

**Prescription**

*Do NOT make use of the cell phone/tablet for different purposes other than those related to communication between personnel involved in the specific situation.*

**Prescription**

*Do not walk under overhung loads.*