ORIGINAL INSTRUCTIONS

TL100EV

Mini Track Loader

OPERATOR'S MANUAL

Part number 92808920 (B280101086)

1st edition English (NA)

April 2026

CASE CONSTRUCTION

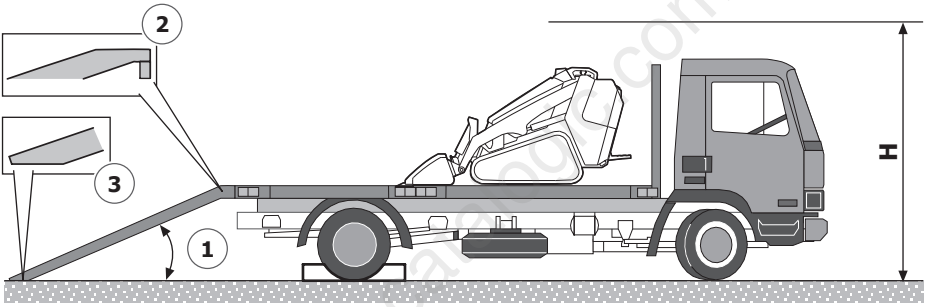
4.2 - Loading/unloading operations

It is recommended to use a special platform while loading and unloading the machine from the means of transport.

However, it is permitted to use loading ramps, in this case also consult the use and maintenance manual provided by the manufacturer of the ramps.

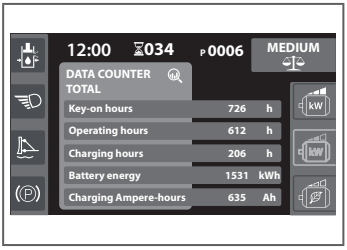
Before using loading ramps to load or unload the machine:

- perform loading/unloading operations on flat and compact ground, keep a safe distance from the edges of canals or roads;
- ensure that the nominal load capacity of the ramps is adequate for the weight of the machine and that each ramp is at least as wide as the track;
- the ramps must **NOT** form an angle (**1**) greater than 15° (27% slope);



- fit the ramps so that the axis of the machine is aligned to the track axis;
- the ramps must be rigidly connected (**2**) to the truck deck to avoid possible disconnection while the machine is being loaded;
- at the point of contact between the ramp and the ground (**3**) do not allow a level difference greater than 50 mm (2.0 in); therefore, choose ramps with a bevelled support;
- make sure the parking brake of the means of transport is engaged;
- apply wedges to block the wheels of the means of transport;
- place a non-slip mat on the loading platform of the truck, in the area where the machine will be placed;
- if necessary, remove the bucket or equipment to suit the size or maximum capacity of the means of transport. These must be transported appropriately;
- check that the maximum height (**H**) falls within the limits set by current standards.

6.8.8 - LIFETIME DATA COUNTER Screen

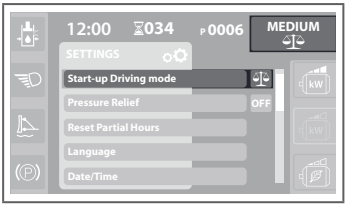


The **LIFETIME DATA COUNTER** screen contains meters that analyse the entire life of the machine and of the battery:

- KEY-ON HOURS: time during which the machine was switched on. The data counter is active when the following conditions occur: emergency stop button deactivated, ignition key positioned on 1 and battery not charging;
- HOURS OF USE: time during which the machine was turned on with the engine running;
- CHARGING HOURS: time during which the machine is charging. The data counter is disabled when the charge status reaches 100%;
- BATTERY ENERGY: amount of energy that the battery absorbs during charging for its entire life cycle;
- CHARGING AMPERE-HOURS: amount of current that the battery draws during charging throughout its life cycle.

These counters cannot be reset.

6.8.8.1 - START-UP DRIVING MODE



By selecting the **START-UP DRIVING MODE** option in the SETTINGS screen, it is possible to select *Drive speed and control sensitivity* mode that will be active each time the machine is started.

Turn the navigation hand grip to select the desired setting, confirm the selection by pressing the hand grip.

For specific settings, see section *"6.8.9 - DRIVE SPEED AND CONTROL SENSITIVITY screen" to page 6-23.*

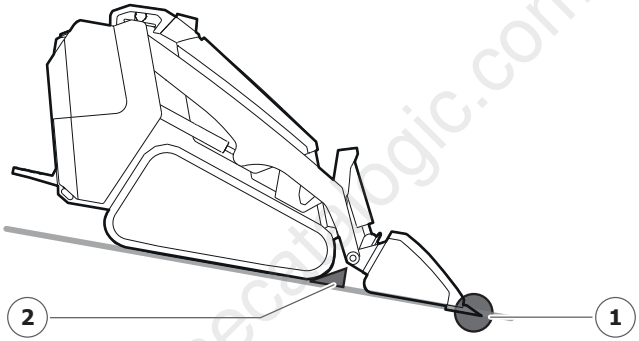
WARNING

Do not get off the machine with the equipment raised, always lower it to the ground.

Do not leave the machine turned on.

Should it be unavoidable to park the machine on a slope it is necessary to:

- it is necessary to check that the slope is **less than 10°**;
- position the bucket down the slope and make sure the teeth or blade of the bucket are dug in the soil (**1**), if no equipment that can be dug into the ground is present, just rest the bucket on the ground;
- appropriately block (by means of wedges **2**, not supplied) both tracks.



7.1 - Safety precautions

Any type of interchangeable equipment or accessory can be installed on the machine for construction works, roadworks and earth-moving operations, in compliance with the operating limits indicated in this manual. Installation must be performed in compliance with the safety standards, according to the instructions in this manual and in compliance with those of the manufacturer of the equipment or accessory. Interchangeable equipment and accessories must be compliant to the applicable accident prevention standards.

The employer must in any case verify the suitability of the combination in relation to the activities to be carried out.

The installation of optional equipment or accessories other than those authorised by the *MANUFACTURER* not only compromises the machine life, but can also cause safety issues.

When installing accessories or optional equipment not indicated in this use and maintenance manual, contact the *Service Centre*. Otherwise the *MANUFACTURER* denies all liability for accidents or damage.

The use of equipment on the machine can change its stability. The stability depends on the dimensions and weight of the machine with the accessory fitted to it, as well as on the weight and position of any resulting loads applied to the machine (load capacity).

The *MANUFACTURER* does not issue any declarations or warranties, express or implied, regarding the design, manufacture or suitability for use on the machine of accessories provided by third parties. This machine does not envisage the use of, and must not be used with, any accessories that exceed the maximum permitted load capacity.

The installer of the equipment must check that:

- The **hydraulic** characteristics of the equipment are compatible with those of the machine, see section *"6.24 - Auxiliary hydraulic systems" to page 6-65;*
- The **electrical** characteristics of the equipment are compatible with those of the machine, see section *"6.25 - Electrical auxiliary systems (optional)" to page 6-73;*

VISCOSITY OF THE LUBRICATING OIL

The lubricant oil viscosity is chosen according to the ISO classification.

In order to choose the correct ISO class, knowing the **operating temperature** of the oil is essential.

The ISO classification does not determine the quality of a lubricating oil.

If the viscosity is too high, the hydraulic system may not work correctly or get damaged; if the viscosity is too low, the performance of the machine may be reduced.

The viscosity of the hydraulic oil changes as its temperature changes. The oil can operate at a viscosity between 13 and 860 mm^2/s (cSt); the ideal conditions at which maximum performance is achieved, occur at a viscosity between 15 and 35 mm^2/s (cSt).

It is difficult to correlate the ambient temperature with the operating temperature of the hydraulic oil, because the operating temperature is linked, in addition to the ambient temperature, to the way the machine is used and to the type of work being carried out. The table below gives the indicative values that can help in the selection of the oil, if in doubt contact the *Service Centre*.

Viscosity class	**Reference viscosity at +40°C (104°F)**	**Ambient temperature**	
	mm^2/s (cSt)	**min.**	**max**
ISO VG 32	32	-20°C (-4°F)	+30°C (+86°F)
ISO VG 46	46	-5°C (-23°F)	+40°C (+104°F)
ISO VG 68	68	+5°C (+41°F)	+50°C (+122°F)

Full Version Available

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This is a short preview. The complete document contains all sections, diagrams, part numbers or specifications, and full procedures.