TL100

Mini Track Loader

OPERATOR'S MANUAL

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CASE CONSTRUCTION

MidWestTech | Case TL100 Track Operator's Manual | Publication 92187327

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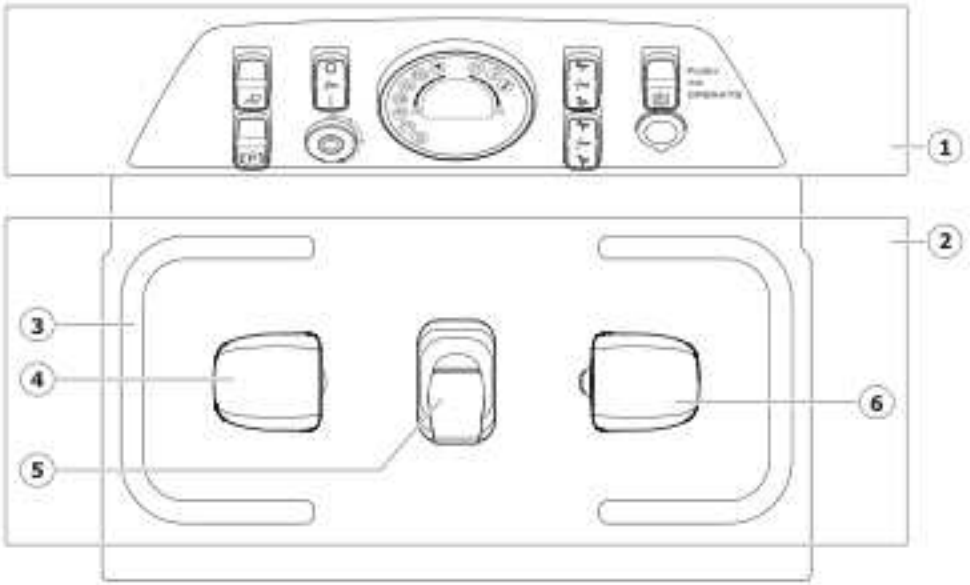
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5 - CONTROLS AND INSTRUMENTATION

The function of each control and tool is described in detail in chapter *"6 - Using the machine" to page 6-1.*

5.1 - Description of controls

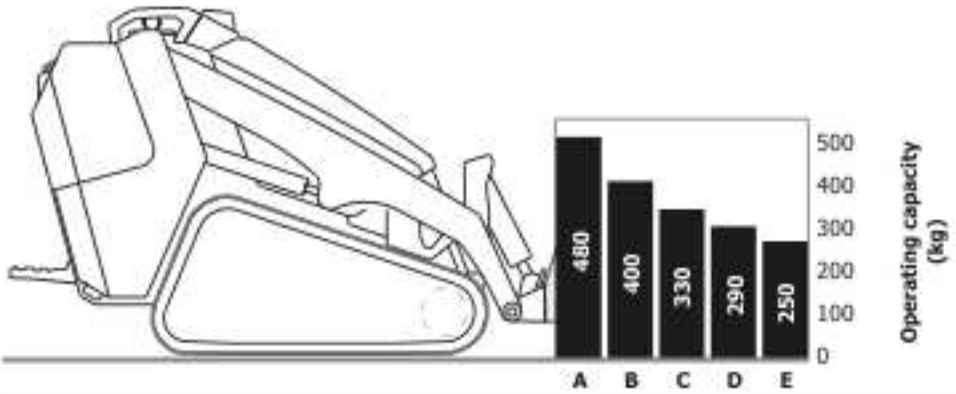


Key:

1	Dashboard	**4**	Left joystick (machine travel)
2	Control levers	**5**	Throttle lever
3	Support bars	**6**	Right joystick (equipment handling)

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TABLE VALID FOR TRACKS WITH WIDTH 180 mm



		X distance between equipment barycentre and quick-coupling **(mm)**				
COUNTER-WEIGHTS (no.)	**LOAD (kg)**	**A** (0 ÷ 200)	**B** (201 ÷ 400)	**C** (401 ÷ 600)	**D** (601 ÷ 800)	**E** (801 ÷1,000)
1 + 1	**OPERATING CAPACITY**	**480**	**400**	**330**	**290**	**250**
	TIP-OVER LOAD	1,370	1,140	940	820	710

For more information regarding installation of the counterweights, see section "6.24 - *Supplementary counterweight installation and removal procedure" to page 6-53.*

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8.11 - Regular maintenance

The hour meter records the total engine operating hours, and should be used to schedule all the maintenance procedures listed below. Read the hour meter daily.

Refer to the value indicated on the electronic hour meter on the display (if present).

Carry out the assistance interventions respecting the working hours interval or upon expiry of the indicated time limit.

Intervene more frequently if the machine is used in harsh conditions.

Reference	OPERATION DESCRIPTION	Page	DAILY	AFTER 50 HOURS	EVERY 50 HOURS	EVERY 250 HOURS	EVERY 500 HOURS	EVERY 1,000 HOURS	EVERY 2,000 HOURS
1	Check of safety devices	2-42	•						
2	Check of safety signs	2-5	•						
3	Check of guards	8-6	•						
4	Check of engine oil level	8-36	•						
5	Check of cooling liquid level	8-42	•						
6	Check of hydraulic oil level	8-48	•						
7	Check for air filter clogging	8-66	•						
8	Clean radiator	8-47	•						
9	Lubricate pins	8-75	•						
10	Performance check (speed of machine movements)	8-36		Δ					
11	Hydraulic system operating pressures check	8-36		Δ					
12	Track tension check	8-60		Δ	•				
13	Check that the screws of the drive wheel/rollers are tight	8-57		Δ		•			
14	Check the tension of the alternator belt and fan belt	8-65		Δ		•			
15	Check of cooling liquid sleeves	8-46		Δ		•			
16	Replacement of engine oil	8-38		Δ		•1			

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8.1.1 - Putting the machine out of service for maintenance

The **placement out of service for maintenance** procedure must be carried out to deactivate and place the machine in safe conditions during maintenance operations.

⚠ WARNING

Before carrying out any maintenance intervention or service on components of the hydraulic system, release any residual pressure.

Before performing any inspections or maintenance operations disable the machine as follows:

- position the machine on a flat, level surface;
- rest the equipment on the ground;
- stop the machine;
- Release the pressure of the hydraulic system as described in section *"6.19 - Discharge residual pressure in the hydraulic system" to page 6-39*;
- remove the starting equipment key, which must remain in possession and accessible only to the person performing the maintenance;
- apply a caution sign (**1**), **NOT supplied**, near the starting equipment board.



At the end of the interventions, the person in charge of the maintenance operations can restore the machine by following the procedure in reversed order; the machine will therefore be ready for normal operation.

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Safety Sign Key:

1 Risk of damage caused by wrong operations and maintenance

Read and acquire the information contained in the use and maintenance manual before starting the machine to prevent all risk of injury.



2 Risk of fire and explosion caused by the fuel

Do not get close the fuel tank with inflammable material, naked flames or other heat sources.

Stop the engine during replenishment.



3 Risk of damage caused by the boom falling

Always lock the boom when it is raised.



4 Risk of damage caused by the moving machine

Stay at a safe distance from the machine while it is operating to prevent all risk of injury.



5 Risk of burns caused by hot surfaces

Do not touch hot surfaces.

Wait for the machine to cool before carrying out any maintenance intervention.



6 Risk of having the limbs crushed in the rotating parts

Shut down the machine and remove the key prior to carrying out any maintenance intervention.



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