Instruction manual

Operating & Maintenance
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Vibratory rollers
CC1250

Engine
Kubota D1703

Serial number
***10000379H0E002600* -**

Translation of original instruction

Reservation for changes
Printed in India

EN

Sustainable Productivity

1.2 Roller Description

CC 1250 are two self-propelled vibratory tandem rollers in the three metric tonnes class featuring

1200 mm wide drums. The machines are equipped with drive, brakes, and vibration on both drums.

To permit optimum performance on a wide range of applications and site requirements, the roller is equipped with:

Diesel engine

Electrical system

Propulsion system/transmission

Brake system

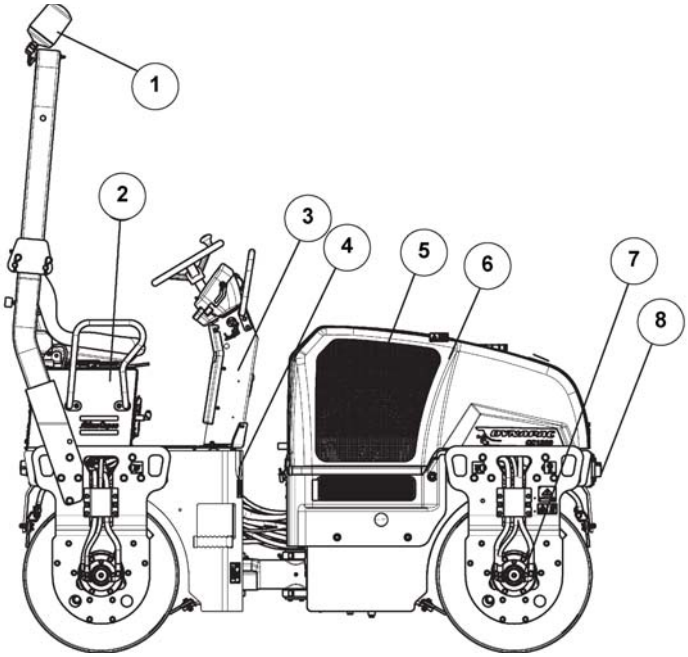
Secondary/parking brake

Steering system

FOPS and ROPS

Identification of Major Components

Figure 1-5: Major Components Right Side



1 Rotating Becon
2 Platform
3 Steering console
4 Fuel tank
5 Cooler
6 Hood
7 Vibration Motor
8 Lights

Section 3:Special Instructions

3.1 Operational Limitations

Standard Lubricants and Other Recommended Oils and Fluids

Before leaving the factory, the systems and components are filled with the oils and fluids specified in the lubricant specification. These are suitable for ambient temperatures in the range -10°C to +40°C (5°F - 105°F).

Higher Ambient Temperatures

For operation of the machine at higher ambient temperatures, however maximum +50°C (122°F).

The diesel engine can be run at this temperature using normal oil.

Hydraulic system - mineral oil Shell Tellus S2V68 or similar.

Lower Ambient Temperature - Freeze Risk

Make sure that the watering system is empty/drained of water (sprinkler, hoses, tank/s) or that anti-freeze has been added, to prevent the system freezing.

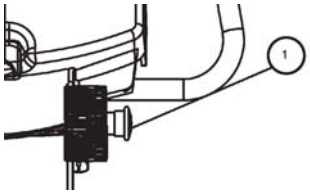
Temperatures

The temperature limits apply to standard versions of rollers.

Emergency Stop

The emergency button is used to stop the engine in an emergency situation which it cannot be shut off in an usual manner. It switches off the engine and activates the brakes. The emergency stop aborts the entire control operation in a quicker way for the safety of the personnel.

Figure 5-5: Emergency Stop

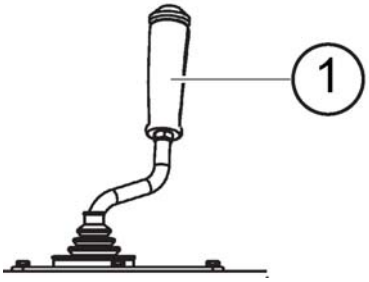


1 Emergency stop button

Forward/Neutral (FNR) Lever

Direction of travel and speed of the roller is regulated with the forward/reverse lever. The machine speed increases or decreases in proportion to the position of the lever.

Figure 5-6: FNR Lever

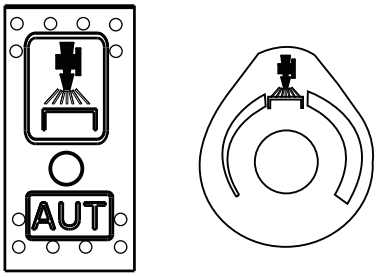


1 FNR lever

Sprinkler Switch

Sprinkler switch controls the flow of water to the drum. Push up to flow the water and down to stop the flow of water.

Figure 5-7: Sprinkler Switch



Seat Buzzer

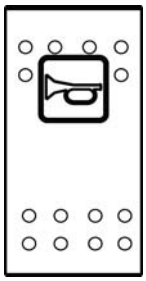
Seat buzzer beeps if the operator is not seated during the operation of the roller and it continues to beep until the operator is seated. If the buzzer beeps for long the brakes are activated and engine is forced to stop.

Horn Button

The horn button is located on the switch assembly.

Press the button to activate the horn.

Figure 5-8: Horn Switch



Check the Instruments and Lamps

Note *Make sure that the emergency stop is pulled out and the parking brake is activated. If the forward/reverse lever is in neutral, the automatic brake function is engaged.*

1. Turn the switch to on position.
2. Check that the warning lamps in the warning panel come on.
3. Set the sprinkler switch to the operating position and check that the system is functioning.

Interlock

The roller is equipped with interlock. The diesel engine switches off after 10 seconds, if the operator gets off the seat during tramming. If the operator is not seated during tramming a buzzer goes on unless the parking brake is activated.

Note *The diesel engine switches off immediately if for any reason the forward/reverse lever is moved out of neutral when the operator is not seated and the parking brake button has not been activated.*

Section 7:Maintenance

7.1 General Information

Safety should be the main concern for anyone working on or around the roller. Do not perform any function that could put someone in danger.

Always wear proper safety gear while working on or around the roller. This includes an approved hard hat, safety glasses, steel toe shoes, gloves, respirator, and ear protection. Do not wear loose fitting clothing that can get caught in rotating components.

Note *If not experienced with the roller controls and instruments, read and understand Operation Controls.*

The following operational hints are observed:

- Do not speed the engine when it is cold.
- Always chock the drum if there is a possibility of uncontrolled movement.
- Do not lubricate the roller while the engine is running.
- Always perform safety checks prior to starting and using the roller.
- Always operate the roller at the full engine power.
- Never propel or stop the roller on a slope or surface that could possibly collapse.
- Never stop the roller against a high wall that could possibly collapse or cause a crushing risk.
- Before starting the engine all the controls are in the off or neutral position on the operator control panel.
- Always sound the attention horn before moving the roller in either direction to alert personnel and allow sufficient time before putting the roller in motion.

Air Cleaners

The following are detailed instructions for performing routine maintenance procedures on the air cleaner.

! *Raw, unfiltered air can damage the roller. Never service the air cleaner while the roller is running.*

! *Airborne dust may be hazardous. Wear proper personal protective equipment while handling air cleaners and elements.*

Air Cleaner Indicators

Check the air cleaner visual restriction indicator before and after every shift.

If the indicator on the air cleaner turns red, replace the main filter on the air cleaner. The dust pouch is emptied by pressing the rubber bellows with your fingers. Check also that the air hoses are in good condition. Clean the air cleaner when operated in extremely dusty environments.

Connections and Ducts

Check air cleaner and ducts for leaks before every shift, during every shift, and after every shift. Make sure all connections between the air cleaner and air compressor are tight and sealed.

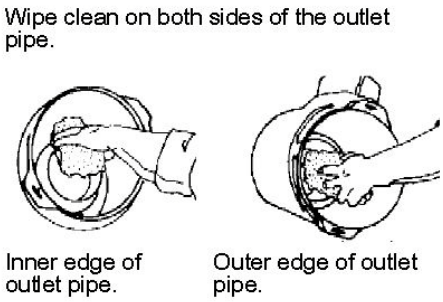
Note *Dust that gets by the air cleaner system can often be detected by looking for dust streaks on the air transfer tubing or just inside the intake manifold inlet.*

Air Cleaner Pre-Cleaner

Wipe clean the inside of the cover and the filter housing. Wipe also both surfaces for the outlet pipe.

Note *Check that the hose clamps between the filter housing and the suction hose are tight and that the hoses are intact. Inspect the entire hose system, all the way to the engine.*

Figure 7-2: Pre-Cleaner



! *Never clean Donoclone tubes with compressed air unless both the safety and primary elements are installed in the air cleaner. Do not steam clean the tubes in the pre-cleaner.*