

Instruction manual

Operating & Maintenance
4812316023EN.pdf

Pneumatic tire roller
CP142

Engine
Cummins QSB 3.3

Serial number
10000500x0B003739 -



Translation of original instruction

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THINK ENVIRONMENT ! Do not release oil, fuel and other environmentally hazardous substances into the environment. Always send used filters, drain oil and fuel remnants to environmentally correct disposal.

This manual contains instructions for periodic maintenance normally carried out by the operator.



Additional instructions for the engine can be found in the manufacturer's engine manual.

CALIFORNIA

Proposition 65 Warning

Diesel engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects, and other reproductive harm.

Technical specifications

Vibrations - Operator station (ISO 2631)

Vibration levels have been measured according to the operational cycle described in the EU directive 2000/14/EC on machines equipped for the EU market with operator seat in transport position.

Measured whole-body vibrations are below the action value of 0.5 m/s² as specified in Directive 2002/44/EC. (Limit is 1.15 m/s²)

Measured hand/arm vibrations also were below the action level of 2.5 m/s² specified in the same directive. (Limit is 5 m/s²)

Noise level

Sound levels have been measured according to the operational cycle described in the EU directive 2000/14/EC on machines equipped for the EU market with operator seat in transport position.

Guaranteed noise power level, L _{WA}	103	dB (A)
Sound pressure level at the operator's ear (platform), L _{pA}	82 ±3	dB (A)

During operation the above values may differ because of the actual operational conditions.

Machine description

Identification

Product identification number on the frame

The machine PIN (product identification number) (1) is punched on the right edge of the front frame member. This number is the same number as the machine plate's PIN (serial number).

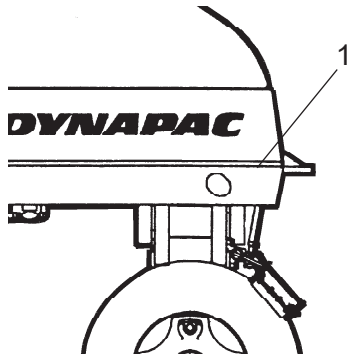


Fig. Front frame
1. PIN Front frame

Machine plate

The machine type plate (1) is affixed on the left side of the operator's seat.

The plate specifies among other things the manufacturer's name and address, the type of machine, the PIN, Product Identification Number (serial number), operating weight, engine power and year of manufacture. (In some cases there are no CE marking.)

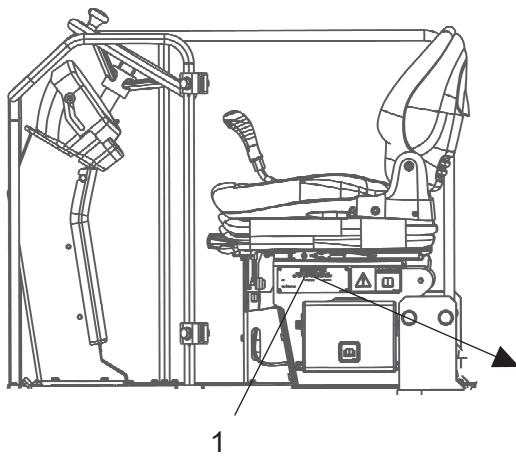




Fig. Operator platform
1. Machine plate

		Atlas Copco Construction Technique Brasil Ltda. Rua Georg Schaeffer, 430 - Iporanga Sorocaba SP - Brasil			
Product Identification Number					
Designation	Type	Rated Power	Max axle load front / rear		
		kW	kg		
Gross machinery mass	Operating mass	Max ballast		Year of Mfg	
kg	kg	kg			
48111 0001 36					

Please state the machine's PIN (serial number) when ordering parts.

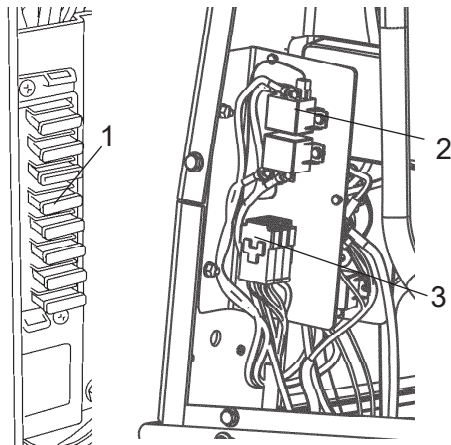


Fig. Instrument panel
 1. Fuse boxes (x8)
 2. Relay boxes (x2)
 3. Maxi-fuses box (x3)

Fuses and relays

The electrical regulating and control system is protected with flat pin fuses and maxi-fuses.

The fuse boxes (1) are located in steering wheel column, below of the instrument panel.

The maxi-fuse box (3) are located in the engine compartment at right side.

The relay box (2) are located also in the engine compartment, near the maxi-fuse box.

The machine is equipped with a 12V electrical system and an alternator.



Connect the battery to the correct polarity (- to the chassis). The cable between battery and alternator must not be disconnected when the engine is running.

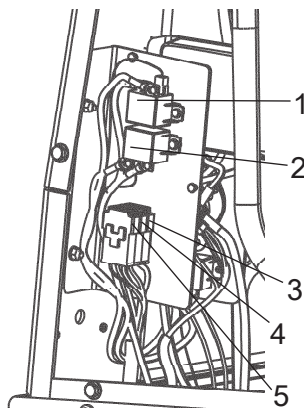


Fig. Relay boxes and Maxi-fuses box

Relays

1	Pre-heater	100A
2	Pre-heater	100A

Maxi-fuses

3	Working lamp, beam and brake light	40A
4	Main fuse	40A
5	Engine ECU	30A

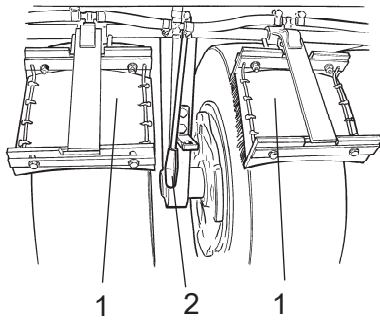


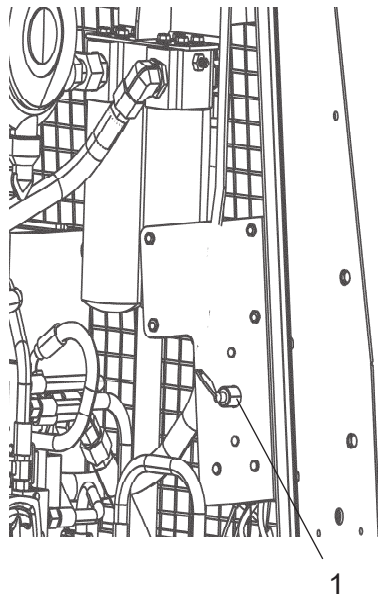
Fig. Freewheel position

1. Coconut mats
2. Lever

Freewheel

Release the coconut mats on the front wheels by pulling the lever (2) and locking it in the off position.

The rear wheels have individual controls - lock each scraper/mat in the off position.



Master switch

Before leaving the roller for the day, switch the master switch (1) to the disconnected position and remove the handle.

This will prevent battery discharge and will also make it difficult for any unauthorized person to start and drive the machine. Also lock the hood to the engine compartment.

Fig. Engine compartment
1. Master switch

Preventive maintenance

Complete maintenance is necessary for the machine to function satisfactorily and at the lowest possible cost.

The Maintenance section includes the periodic maintenance that must be carried out on the machine.

The recommended maintenance intervals assume that the machine is used in a normal environment and working conditions.

Acceptance and delivery inspection

The machine is tested and adjusted before it leaves the factory.

On arrival, before delivery to the customer, delivery inspection must be conducted as per the check list in the warranty document.

Any transport damage must be immediately reported to the transport company.

Warranty

The warranty is only valid if the stipulated delivery inspection and the separate service inspection have been completed as per the warranty document, and when the machine has been registered for starting under the warranty.

The warranty is not valid if damage has been caused by inadequate service, incorrect use of the machine, the use of lubricants and hydraulic fluids other than those specified in the manual, or if any other adjustments have been made without the requisite authorisation.



Diesel engine Check oil level



Take care not to touch any hot parts of the engine or the radiator when removing the dipstick. Risk for burns.

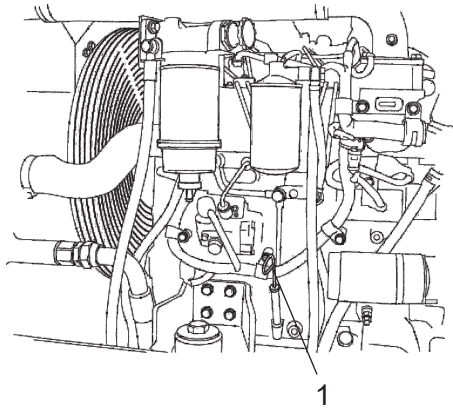


Fig. Check oil level
1. Oil dipstick

The dipstick is located on the engine's right side.

Pull up the dipstick (1) and check that the oil level is between the upper and lower marks. For further details, refer to the engine's instruction manual.

Scapers Checking - Setting

Make sure that the scrapers are undamaged. Adjust the scrapers so that they are 1-2 mm (0.04-0.08 in) from the tires. For special asphalt compounds, it may be better if the scraper blades (1) lie lightly against the tires.

When necessary, the scraper blades' contact with the tires is adjusted as follows: Loosen the two screws (2) retaining the scraper blade. Place the scraper blade (1) in the correct position and then tighten the screws. Adjust all scraper blades in the same way.

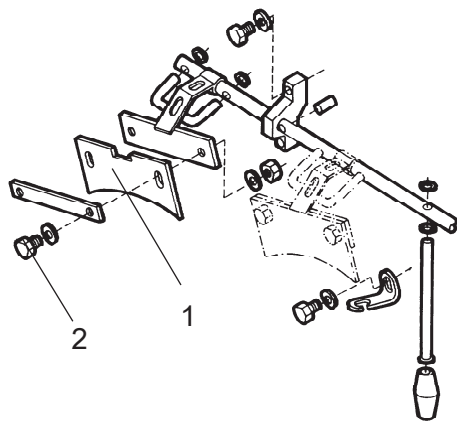


Fig. Tire scrapers
1. Scraper blades
2. Adjustment screw

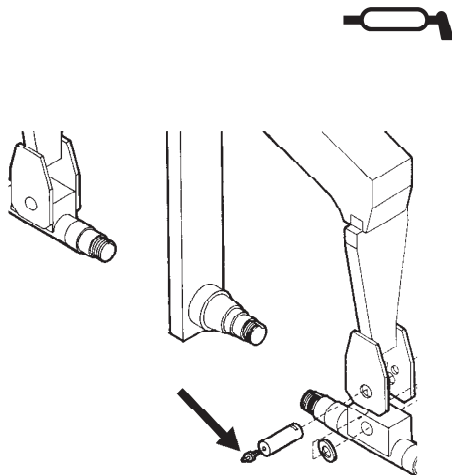


Fig. Oscillation axle

Front oscillation axle - Lubrication

Wipe all linkages clean of dirt and grease.

Grease each linkage with two strokes of the hand-operated grease gun. Ensure that the grease is pressed into the journal.

If the grease is not pressed into the journal, it may be necessary to unload the link using a jack and by repeating the lubrication procedure.

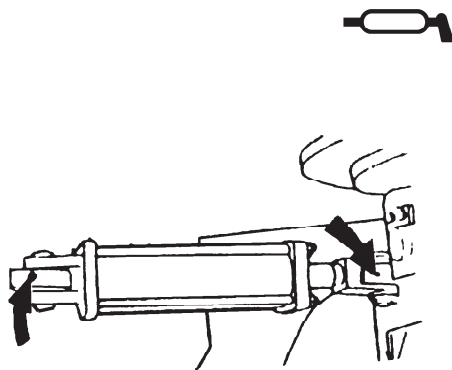


Fig. Steering cylinder

Steering cylinder - Lubrication

Wipe all linkages clean of dirt and grease.

Grease each linkage with two strokes of the hand-operated grease gun.

Allow some grease to remain on the linkages after lubrication. This prevents dirt from penetrating into the linkages.

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