Operator's Manual

Track excavator

2404



Machine model	2404
Edition	2.3
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Language	EN

MidWestTech | Wacker Neuson 2404 Track Excavator Operator's Manual | Publication 1000243672

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3.41 Control lever with proportional controls (option): overview

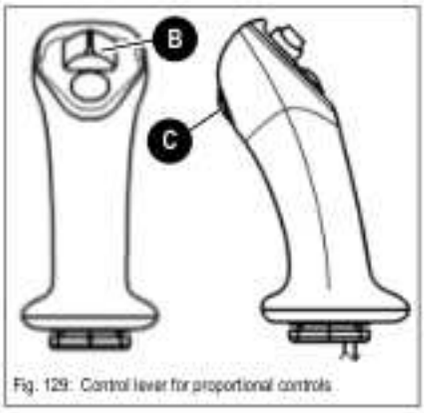


Fig. 129: Control lever for proportional controls

Notice!

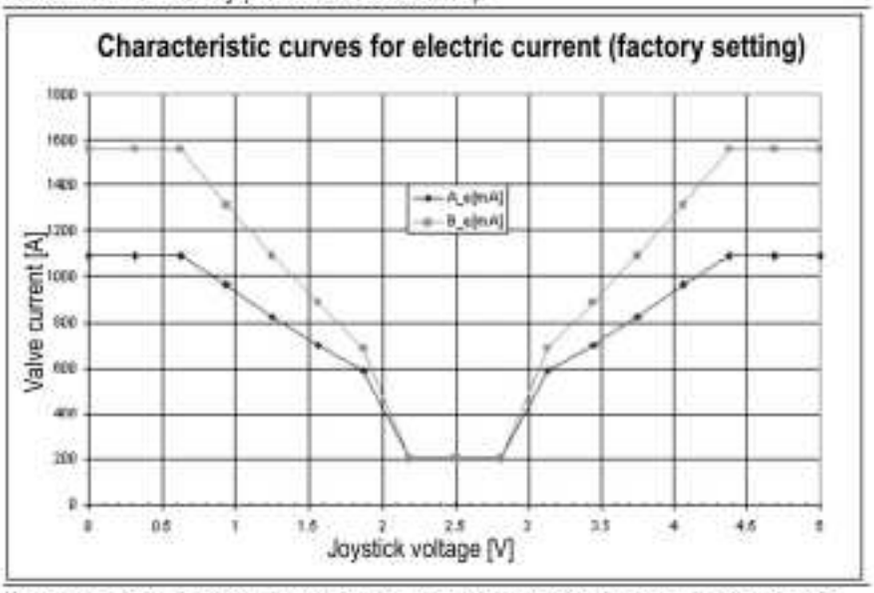
Fast actuation of the control lever for the attachment moves the attachment fast. Slow actuation of the control lever moves the attachment slowly.

Function

This control mode offers proportional operation of the auxiliary hydraulics circuit depending on the position of slide switch **B** on the joystick.

You also have the choice of two characterisitic curves. Precision work (for instance with the offset bucket) does not require the full throughput of the auxiliary hydraulics. Therefore we recommend setting the controls to characteristic curve 1 (slower movements).

In this position, the slide switch is not actuated to full output and you can move the machine more smoothly (flat characteristic curve).



If you require the full throughput then characteristic curve 2 will be the choice to make (slide switch actuated to full output).

Notice!

*Do not use slide switch **B** to actuate the hammer since as described above, oil throughput is not set to maximum in this case and therefore the hydraulic output is not fully available for hammer operation.*

☞ *Always use button **C** on the joystick for hammer operation.*

➥ Pressing button **C** ensures full throughput irrespective of the characteristic curve that has been selected!

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Tightening the tracks

Danger!

The lubricating valve can be squeezed out due to the high grease pressure in the hydraulic ram.

Danger of personal injury!

- *Open the lubricating valve carefully and do not turn it more than one revolution as you slacken it.*
- *Slacken no other component except the lubricating valve.*
- *Keep your face away from the lubricating valve connection.*
  - ➥ Contact your Wacker Neuson dealer if this does not reduce track tension.

Caution!

Excessive tension of the tracks causes severe damage to the ram and the track.

- *Tighten the tracks only up to the prescribed measuring distance*

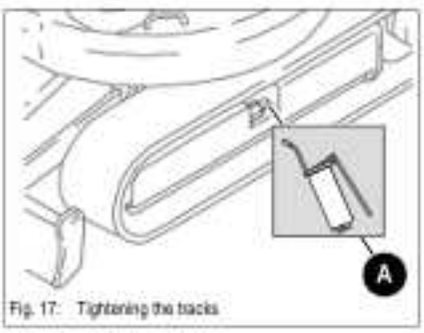


Fig. 17: Tightening the tracks

Tightening the tracks

- *Inject grease with a grease gun through lubricating valve **A***
- *Check the tension is correct by setting down the machine on the ground, starting the engine, letting it run at idling speed and slowly moving the machine forwards and reverse and switching it off again. Raise the machine again with the boom.*
- *Check the tension of the tracks again*
  - ➥ If it is not correct:
  - Adjust again
- *Should the track still be slack after injecting more grease, replace the track or the seal in the ram. Contact a Wacker Neuson dealer in this case*

Reducing tension

Caution!

Slacken the lubricating valve only slowly and no more than one revolution! Release grease only as described below. Also observe the safety instructions!

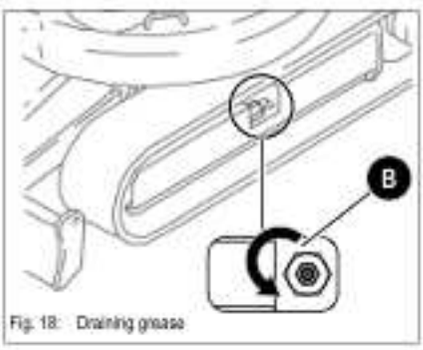


Fig. 18: Draining grease

- *Slowly turn lubricating valve **B** one revolution counterclockwise to release the grease.*
  - Place a suitable container underneath to collect the grease
    - ➥ The grease flows out of the groove of the lubricating valve
- *Retighten the lubricating valve **B***
- *Check the tension is correct by setting down the machine on the ground, starting the engine, letting it run at idling speed and slowly moving the machine forwards and reverse and switching it off again. Raise the machine again with the boom.*
- *Check the tension of the tracks again*
  - ➥ If it is not correct:
  - Adjust again

Environment!

Use a suitable container to collect the grease as it flows out and dispose of it in an environmentally friendly manner.

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5.18 Fluids and lubricants

Component/ application	Engine/machine fluid	Specification	Season/temperature	Capacities[1]
Diesel engine	Engine oil SAE 10W-40	API: CF, CF-4, CI-4	-20 °C (-4 °F) +40 °C (104 °F)	About 3.4 l (0.90 gal)
		ACEA: E3, E4, E5		
		JASO: DH-1		
Travelling drive	Gearbox oil SAE 80W-90	API: GL-4, GL-5	Year-round	About 0.6 l each (0.16 gal)
Hydraulic oil tank	Hydraulic oil	HVLP46[2]	Year-round[3]	21 l (5.5 gal)
		HV 46[4]		
	Biodegradable oil[5]	PANOLIN HLP Synth 46		
		FINA BIOHYDRAN SE 46		
		BP BIOHYD SE-46		
Grease	Roller and friction bearings	KF2K-25[6]	Year-round	As required
	Live ring: ball bearings	KF2K-25[7]		
	Live ring gears	KP2N-20[8]		
	Grease nipples	KF2K-25[9]		
Battery terminals	Acid-proof grease[10]	FINA Marson L2	Year-round	As required
Fuel tank	Diesel fuel[11]	2-D ASTM D975 – 94 (USA)	Depending on outside temperatures Summer or winter diesel fuel	About 24 l (6.3 gal)
		1-D ASTM D975 – 94 (USA)		
		EN 590 : 96 (EU)		
		ISO 8217 DMX (International)		
		BS 2869 – A1 (GB)		
		BS 2869 – A2 (GB)		
Radiator	Coolant	Soft water + antifreeze ASTM D4985	Year-round	About 4.5 l (1.2 gal)
		Distilled water + antifreeze ASTM D4985		
Washer system	Cleaning agent	Water + antifreeze	Year-round	1.2 l (0.31 gal)

1. The capacities indicated are approximative values, the oil level check alone is relevant for the correct oil level
   Capacities indicated are no system fills
2. According to DIN 51524 section 3
3. Depending on local conditions – see **Hydraulics oil grade** on page 5-34
4. According to ISO 6743/4
5. Biodegradable hydraulic oil based on saturated synthetic esters with an iodine value of < 10 g/mg, according to DIN 51524, section 3, HVLP, HEES
6. KF2K-25 according to DIN 51502 multipurpose lithium grease with MoS^2 additive
7. KF2K-25 according to DIN 51502 multipurpose lithium grease with MoS^2 additive
8. KP2N-20 according to DIN 51502 EP multipurpose calcium sulphonate complex grease
9. KF2K-25 according to DIN 51502 multipurpose lithium grease with MoS^2 additive
10. Standard acid-proof grease
11. Sulphur content below 0.05 %, cetane number over 45

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3.1 Cab overview

Pos.	Description	For more information see page
1	Control lever (left)	3-48
2	Control lever (right)	3-49
3	Control lever base (left)	
4	Control lever base (right)	
5	Armrest (left)	
6	Armrest (right)	
7	Lever (horizontal seat adjustment)	3-26
8	Air vents	3-24
9	Radio (option)	
10	Seat (backrest adjustment)	3-26
11	Seat belt (lock)	3-28
12	Cup holder	
13	Document storage (underneath the seat)	
14	Right-hand side switch panel	3-5
15	Left-hand side switch panel	3-5
16	Throttle	3-9
17	Stabiliser blade lever	3-21
18	Auxiliary hydraulics/boom swivel pedal	3-50
19	Preheating start switch	3-9
20	Cigarette lighter	
21	Round display element	3-5
22	Drive pedal (left)	
23	Drive pedal (right)	
24	Drive lever (left)	3-17
25	Drive lever (right)	3-17
26	Drive interlock status indicator (option)	3-13
27	Weight adjustment for seat	3-27
28	Proportional controls indicator (option)	3-53
29	Upper carriage lock	3-56
30	Hydraulic quickhitch pedal (option)	3-62
31	VDS Vertical Digging System (option)	3-57

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