SEAM02080502

Operation & Maintenance Manual

PC400,400LC-5

HYDRAULIC EXCAVATOR

SERIAL NUMBERS PC400 :20001 and up
PC400LC :20001

WARNING

Unsafe use of this machine may cause serious injury or death. Operators and maintenance personnel must read this manual before operating or maintaining this machine. This manual should be kept near the machine for reference and periodically reviewed by all personnel who will come into contact with it.

NOTICE

Komatsu has Operation & Maintenance Manuals written in some other languages. If a foreign language manual is necessary, contact your local distributor for availability.

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GENERAL LOCATIONS AND SPECIFICATIONS

1. Bucket
2. Bucket cylinder
3. Arm
4. Arm cylinder
5. Boom
6. Boom cylinder
7. Sprocket
8. Track frame
9. Idler
10. Track shoe

MACHINE MODEL			PC400	PC400LC
PERFORMANCE	Bucket capacity (m^3)	[SAE]	1.8	1.8
		[CECE]	1.6	1.6
	Travel speed (km/h)	Hi	5.5	5.5
		Lo	3.1	3.1
	Swing speed (rpm)		9.3	9.3
OPERATING WEIGHT (kg)			40700	42300
ENGINE	Model		Komatsu S6D125-1VV Diesel Engine	
	Flywheel horsepower (HP) [Rated rpm]		276.1 [2000]	276.1 [2000]

NOTE: Specifications are subject to change without notice.

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4. RIGHT WORK EQUIPMENT LEVER (boom/bucket control lever) (with auto-deceleration device)

(N)Neutral:

When the lever in this position, the boom and the bucket will be retained in the position in which they stop.

Boom operation

(1)Boom raises.

(2)Boom lowers.

Bucket operation

(3)Bucket dumps.

(4)Bucket curls.

★ For levers 2, 3, and 4, the engine speed changes as follows because of the auto-deceleration mechanism.

- When the travel lever and work equipment control levers are at neutral, even if the fuel control dial is above the mid-range position, the engine speed will drop to a mid-range speed.
  If any of the levers are operated, the engine speed will rise to the speed set by the fuel control dial.
- If all control levers are set to neutral, the engine speed will drop by approx. 100 rpm, and after approx. 4 seconds, the engine speed will drop to the deceleration speed (approx. 1400 rpm).

⚠ **If any lever is operated when in the deceleration range, the engine speed will suddenly increase, so be careful when operating the levers.**

5. FORWARD ADJUSTMENT BUTTON FOR WORK EQUIPMENT CONTROL LEVER

If the button at the side of the left and right console boxes is pressed, it is possible to move the console box forward in two stages.

N: Neutral positin

F1: Middle position

F2: Deep excavation position

★ The left console box only can also be adjusted back from the N position. Use this position when getting on or off the machine.

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(a): weight : 8.0 ton
capacity : 7.53 x 3.74 x 1.57 – 44.2 m^3
(b): weight : 24.2 ton (26.8 ton)
capacity : 5.74 x 3.23 x 3.34 – 61.9 m^3
(5.90 x 3.23 x 3.44 – 66.6 m^3)
(c): weight : 8.5 ton
capacity : 2.96 x 1.18 x 0.76 – 2.8 m^3
(d): weight : 3.3 ton
capacity : 4.9 x 1.94 x 1.57 – 14.9 m^3
(e): weight : 3.3 ton
capacity : 6.36 x 1.17 x 1.57 – 11.7 m^3
(f): weight : 4.7 ton
capacity : 7.29 x 1.62 x 0.78 – 9.2 m^3
(g): weight : 2.0 ton
capacity : 4.62 x 0.91 x 0.57 – 2.4 m^3
(h): weight : 1.3 ton
capacity : 2.03 x 1.17 x 1.57 – 3.7 m^3

( ): PC400LC

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EVERY 100 HOURS SERVICE

c. LUBRICATING

Apply grease to the grease fittings shown by arrows.

1.	Boom foot pin	(2 points)
2.	Boom cylinder rod end	(2 points)
3.	Boom cylinder foot pin	(2 points)
4.	Arm cylinder foot pin	(1 point)
5.	Arm cylinder rod end	(1 point)
6.	Bucket cylinder foot pin	(1 point)
7.	Boom-arm coupling pin	(2 points)
8.	Arm-link coupling pin	(2 points)
9.	Arm-bucket coupling pin	(2 points)
10.	Link coupling pin	(4 points)
11.	Bucket cylinder rod end pin	(2 points)
12.	Bucket link coupling pin	(2 points)
13.	Bottom dump cylinder bottom pin	(2 points)
14.	Bottom dump cylinder rod end pin	(2 points)
15.	Bucket hinge pin	(2 points)

* If any abnormal noise is heard from any greasing point, add grease regardless of the service interval.
* For the first 100 hours of operation of new machines, grease the boom cylinder foot pin and boom foot pin every 10 hours.

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