OPERATION & MAINTENANCE MANUAL

KOMATSU®

PC400LC-5

WITH CUMMINS LTA-10C ENGINE

HYDRAULIC EXCAVATOR

SERIAL NUMBERS PC400LC-5 A40001 and up

SEPT 94

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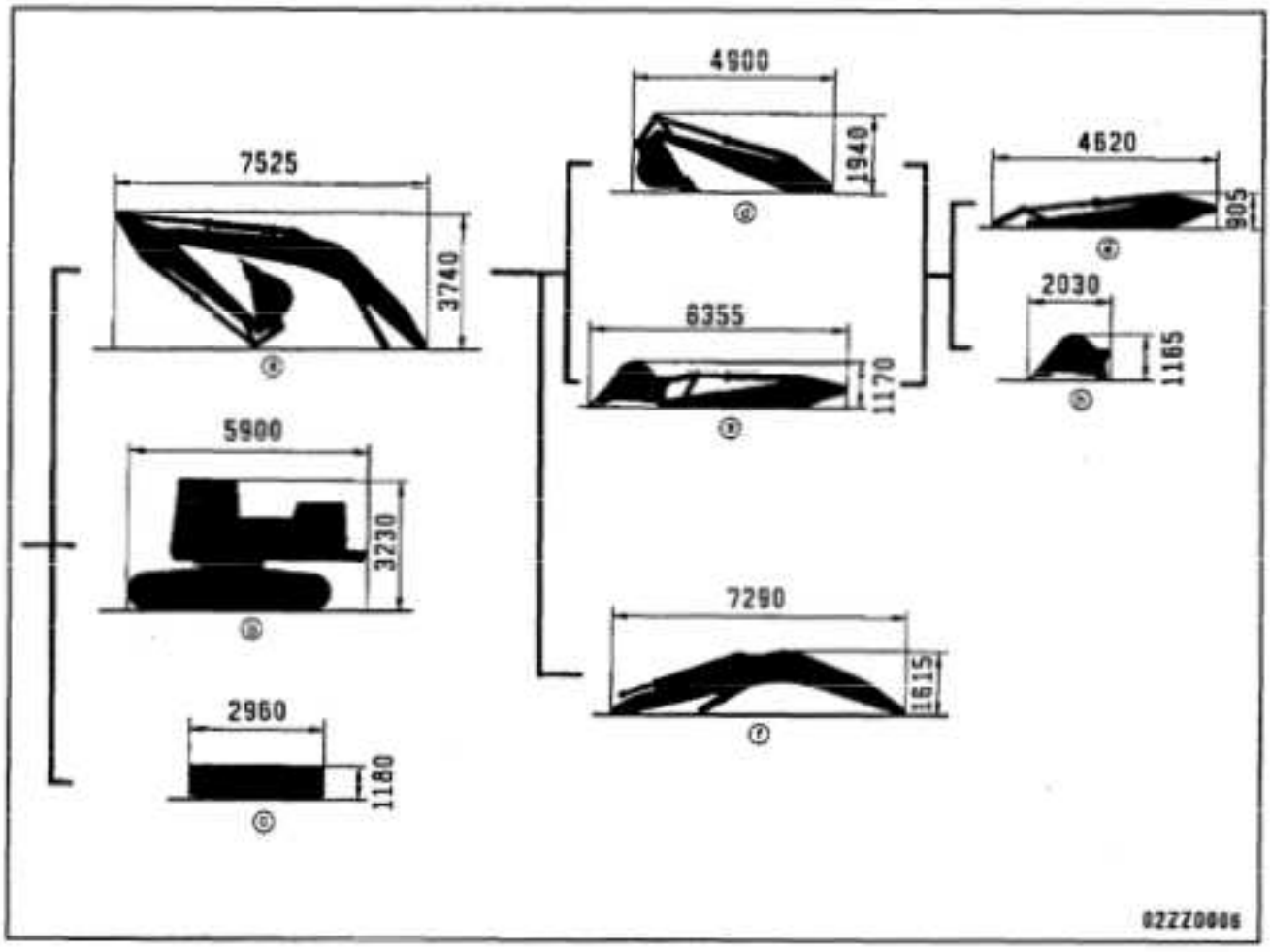
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	Operation procedure and condition of machine	Items for conformation (when normal)		
		Monitor panel	Pump controller	Engine throttle controller
①	• Turn starting switch OFF • Turn fuel control dial to MIN.	All lamps OFF	All lamps OFF	All lamps OFF
②	Turn starting switch ON.	Display lamps light up G.O and S mode is displayed	S2 is displayed	After 5 sec, normal display is displayed
③	Start engine If coolant temperature is below 30°C, carry out automatic warming up and icrease engine speed		S2 (decimal point flashes) is displayed [Operating mode] Decimal point flashes	
④	• Turn fuel control dial to MAX. Raise engine speed to FULL speed of G.O. mode. • Set auto-deceleration switch OFF.			Engine speed rises (fuel control dial, governor potentiometer systems normal)
⑤	• Set working mode to H.O mode Raise engine speed from FULL speed of G.O mode to FULL speed of H.O mode. • Set auto-deceleration switch OFF.	H.O and H mode is displayed	H.1 is displayed	Engine speed rise (No. 2 throttle signal system normal)
⑥	• Set working mode to L.O mode Lower engine speed from FULL speed of H.O mode to FULL speed of L.O mode	L.O and L mode is displayed	L.4 is displayed	Engine speed drops (No. 2 throttle signal system normal)
⑦	• Set working mode to G.O mode Raise engine speed from FULL speed of L.O mode to FULL speed of G.O mode. • Set auto-deceleration switch OFF.	G.O and S mode is displayed	S2 is displayed	Engine speed rises again (No. 2 throttle signal system normal)
⑧	Press power maximizing switch		UP is displayed [1 - 1.5 sec]	
⑨	Switch travel speed switch between Hi and Lo	Travel speed Hi - Lo is displayed	H.1 ⇄ L.0 [1 - 1.5 sec]	
⑩	Operate work equipment or swing levers Cancel deceleration and raise engine speed.		P2 is displayed [1 - 1.5 sec]	
⑪	Switch auto-deceleration switch ON. Engine speed drops to deceleration speed after a few seconds.	Deceleration is displayed	A.d is displayed [1 - 1.5 sec]	
⑫	Switch swing lock switch ON and OFF.	Swing lock lamp OFF and ON is displayed	L.S is displayed [1 - 1.5 sec]	
⑬	Operate travel lever slightly.		P.6 is displayed [1 - 1.5 sec]	
⑭	Return fuel control dial to MIN. Engine speed drops to low idling.			Engine speed drops (fuel control dial system normal)
⑮	Turn starting switch OFF.			Engine stops (battery relay system normal)

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DISASSEMBLY WEIGHT AND CAPACITY

(a) Weight :8.0 ton
Capacity :7.53 X 3.74 X 1.57 = 44.2 m^3

(b) Weight :25.8 ton
Capacity :5.90 X 3.23 X 3.44 = 65.6 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 :4.90 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

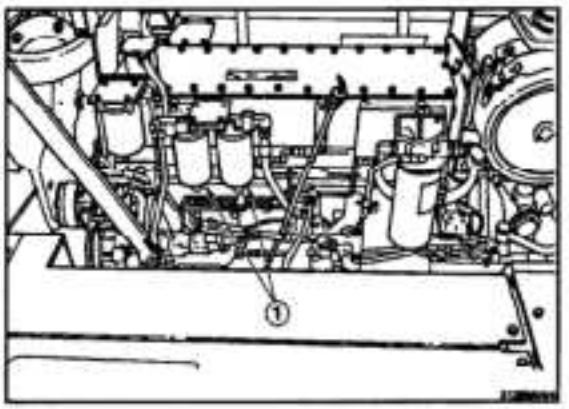
(h) Weight :1.3 ton
Capacity :2.03 X 1.17 X 1.57 = 3.7 m^3

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FUEL FILTERS

GENERAL

The engine is equipped with fuel filter/water separator type fuel filters (1).



WHEN TO REPLACE

Refer to "23 MAINTENANCE SCHEDULE CHART" on page 3-28 for service interval. Change the filters at the suggested service interval or sooner if a power loss is evident.

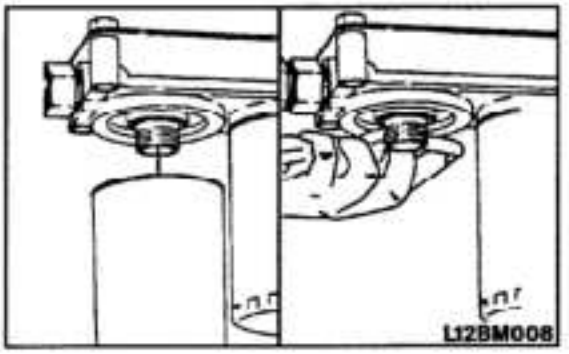
REMARK: *Drain the water separators daily.*

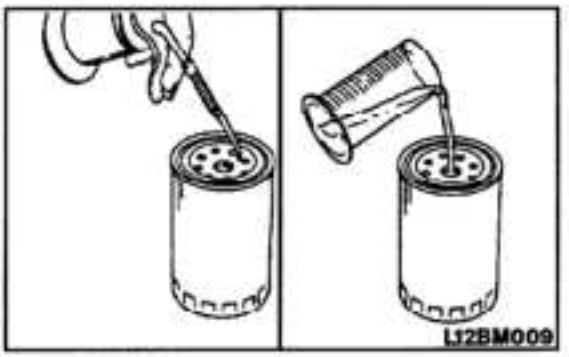
REPLACING THE FILTERS

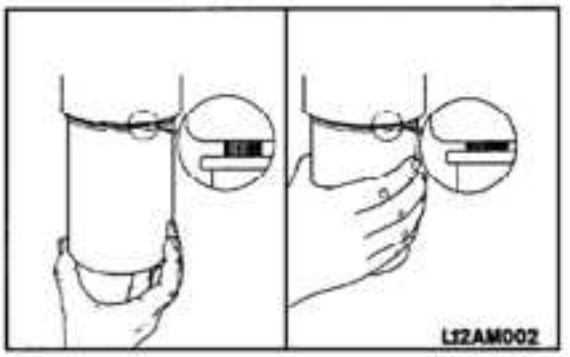
1. Drain any accumulated water from the fuel tanks. Refer to "DRAINING WATER FROM THE FUEL TANK".
2. Open engine cover. Clean the area around the fuel filters.
3. Using a filter wrench, remove the fuel filters by turning them counterclockwise. Discard the filters in a suitable manner if they are **not** needed for any reason.
4. Clean the filter gasket surfaces of the filter header for each filter. Replace the filter O-rings.
5. Fill the new filters with clean diesel fuel. Then, apply a thin coat of clean engine oil to the seal of the filter.
6. Install the filters on the filter header until the filter seal contacts the seal surface of the filter header and then, turn the filter an additional 1/2 to 3/4 turn by hand. Always use genuine filters.

NOTICE:
Do not over tighten the filter or damage may result to the filter seal or threads.

7. After replacing the filters, start the engine and idle it for a few minutes. Check the filters for possible fuel leakage.
8. Close the engine cover.







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