680CK
Loader Backhoe

Service Manual

9-73072

CASE CONSTRUCTION

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REF. NO.	LUBRICATION POINT	No. of POINTS	GREASE	DRAIN & REFILL	CHECK	CLEAN	CHANGE	OIL (FEW DROPS)	FREQUENCY
1	Front Axle Pivot	1	●						
2	Radius Rod Pivot	1	●						
3	Steering Cylinders	2	●						
4	King Pins	4	●						
5	Lift Cyl. Front Pivot	2	●						
6	Lift Arm Pivot Pins	2	●						
7	Tilt Cyl. Trunnion	2	●						10 Hours or Daily
8	Tilt Cyl. Front Pivot	2	●						
9	Lift Cyl. Rear Pivot	2	●						
10	Tilt Linkage	4	●						
11	Hydra-Leveling Cyl. Lower Pivot	2	●						
	Backhoe Pressure Fittings See Page 5 of Backhoe Section								
12	Air Cleaner * ■	1			●				
13	Engine Oil Level **	1			●				
14	Forward-Reverse Trans. Level	1			●				
15	Trans. & Final Drive Level-Breather	1			●				
16	Hydraulic Reservoir Level	1			●				
17	Forward - Reverse Transmission Shift Lever	1						●	
18	Brake Pedals	2	●						60 Hours or Weekly
19	Brake Bell Crank	2	●						
20	Brake Cross Shaft	3	●						
21	Parking Brake Bellcrank	1	●						
22	Throttle Linkage Shaft Pivot	1	●						
23	Power Steering Reservoir Level	1			●				
24	Tachometer Drive (Sp. Ign. Only)	1	●						120 Hours
25	Engine Oil	1		●					
26	Water Pump ***	1	●						
27	Engine Oil Filter ■ ■	1						●	240 Hours
28	Trans. & Final Drive Breather	1				●			
29	Forward-Reverse Transmission	1		●					500 Hours
30	Torque Converter	1		●					
31	Front Wheel Bearings ■ ■ ■	2	●						
32	Fuel Pump Filter	1						●	
33	Hydraulic System Oil	1		●					
34	Hydraulic System Filter (Suction)	1					●		1000 Hours
35	Hydraulic System Filter (Return)	1						●	
36	Trans. & Final Drive Oil	1		●					
37	Power Steering Reservoir Filter	1						●	

* See Section I, Page 6
** Drain and refill after first 20 hours
*** 2 Strokes - Do Not Overlubricate
■ More often in dusty conditions
■■ Change after first 20 hours
■■■ Clean, Repack and Adjust

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LUBRICATION RECOMMENDATIONS

ALL CAPACITIES GIVEN IN U.S. MEASURE

LUBRICATION POINTS	APPROXIMATE CAPACITIES	AIR TEMPERATURE RANGES			
		Above 80° F.	80° F. to 32° F.	32° F. to -20° F.	-20° F. or Lower
Engine Crankcase	8 Quarts	SAE 30	SAE 20W	SAE 10W	SAE 5W or SAE 5W - 20
Engine Crankcase (Including Oil Filter)	9 Quarts				
Forward-Reverse Transmission Shift Lever Bearing	Few Drops				
Transmission and Final Drive	28 Quarts (Refill)	SAE 90 Multi-Purpose Gear Lubricant			
Forward-Reverse Transmission and Torque Converter	5 Quarts (Refill)	Case Hi-Lo TCH Oil			
Hydraulic System Reservoir	27 Quarts (Refill)				
Hydraulic Power Steering Reservoir	1 Quart				
Water Pump	2 Strokes	*Lithium Soap-Base Grease			
Wheel Bearings	Use As Required				
All Pressure Fittings	As Many Strokes As Required				

Procedure

1. Before applying a grease gun to the pressure fittings, wipe all accumulated dirt from each tip. Lubricate until clean grease runs out.
2. Lubricate all fittings illustrated every 10 hours of operation or daily.
3. If the loader is operated in mud or water, lubricate the immersed fittings more often.

Grade Recommendations

Below 32° F.	No. 1
32° F. to 90° F.	No. 2
Above 90° F.	No. 3

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