

Table 1-12. Lubrication Chart - S Models

	Components	Number/Type Lube Points	Capacity	Lube	Interval		Hours		Comments
					3 Months 150 hrs	6 Months 300 hrs	1 Year 600 hrs	2 Years 1200 hrs	
Lubrication									
1	Swing Bearing	2 Grease Fittings	A/R	MPG	X				Remote Access
2	Steer Spindles (2WS)*	8 Grease Fittings	A/R	MPG	X				
3	Steer Spindles (4WS)*	2 Grease Fittings	A/R	MPG	X				
4	Steer Spindles (4WD)*	4 Grease Fittings	A/R	MPG	X				
5	Wheel Bearings	Repack	A/R	MPG				X	
6	Swing Drive Hub	Level/Fill Plug	17 oz. (1/2 Full)	EPGL				X	Check level every 150 hrs/change 1200 hours
7	Wheel Drive Hub	Level/Fill Plug	17 oz. (1/2 Full)	EPGL				X	Check level every 150 hrs/change 1200 hours
8	Hydraulic Return Filter	N/A	N/A	N/A		X			Change after first 50 hrs. and every 300 hrs. thereafter or as indicated by Condition Indicator.
9	Hydraulic Charge Filter	N/A	N/A	N/A		X			Change after first 50 hrs. and every 300 hrs. thereafter or as indicated by Condition Indicator.
10	Hydraulic Oil	Fill Cap	30.6 gal. Tank 32.7 gal. System	HO				X	Check level daily/change 1200 hours
11	Suction Strainers (in tank)	2	N/A	N/A				X	Remove and clean at time of hydraulic oil change.
Engines									
12	Oil Change w/Filter - Ford LRG423	Fill Cap/Spin-on Element	5 Quarts	EO	X				Check level daily/Change in accordance with engine manual.
13	Oil Change w/Filter - Ford LRG425	Fill Cap/Spin-on Element	4.5 Quarts	EO	X				Check level daily/Change in accordance with engine manual.
14	Oil Change w/Filter - Continental	Fill Cap/Spin-on Element	6 Quarts	EO	X				Check level daily/Change in accordance with engine manual.
15	Oil Change w/Filter - Deutz	Fill Cap/Spin-on Element	11 Quarts Crankcase **5 Quarts Cooler	EO			X		Check level daily/Change in accordance with engine manual.
16	Oil Change w/Filter - Caterpillar	Fill Cap/Spin-on Element	10.6 Quarts	EO	X				Check level daily/Change in accordance with engine manual.
17	Fuel Filter - Ford	Replaceable Element	N/A	N/A			X		
18	Fuel Filter - Continental	Replaceable Element	N/A	N/A			X		
19	Fuel Filter - Deutz	Replaceable Element	N/A	N/A			X		
20	Fuel Filter - Caterpillar	Replaceable Element	N/A	N/A			X		
21	Air Filter - Ford	Replaceable Element	N/A	N/A		X			Or as indicated by Condition Indicator.
22	Air Filter - Continental	Replaceable Element	N/A	N/A		X			Or as indicated by Condition Indicator.
23	Air Filter - Deutz	Replaceable Element	N/A	N/A		X			Or as indicated by Condition Indicator.
24	Air Filter - Caterpillar	Replaceable Element	N/A	N/A		X			Or as indicated by Condition Indicator.

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Components	Number/Type Lube Points	Capacity	Lube	Interval		Hours		Comments
				3 Months 150 hrs	6 Months 300 hrs	1 Year 600 hrs	2 Years 1200 hrs	
NOTES:						KEY TO LUBRICANTS		
Lubrication intervals are based on machine operation under normal conditions. For machines used in multi shift operations and/or exposed to hostile environments or conditions, lubrication frequencies must be increased accordingly.		* Machines after S/N 38047 will have composite bushings and no grease fittings.		** When changing oil in the Deutz oil cooled engine, drain both the crankcase and the cooler. When refilling it is acceptable to overfill the crankcase (16 qts., capacity of both crankcase and cooler combined). Start engine, allow the engine to run until the thermostat opens (approximately 221 degrees F) cooler will fill up within minutes; shut down and wait for approximately two minutes. Check oil level, fill oil to max marking on the dipstick.		EO EPGL HO MPG	Engine Oil Extreme Pressure Gear Lube Hydraulic Fluid (Mobil #424 or equivalent) Multi-Purpose Grease	

Table 2-3. Inspection and Preventive Maintenance Schedule

AREA	INTERVAL					
	Pre-Start ¹ Inspection	Weekly Preventive Maintenance	Monthly Preventive Maintenance	Pre-Delivery ² or Frequent ³ Inspection	Annual ⁴ (Yearly) Inspection	Every 2 Years
Boom Assembly	9					
Boom Weldments				1,2,4	1,2,4	
Hose/Cable Carrier Installations				1,2,9,12	1,2,9,12	
Pivot Pins and Pin Retainers				1,2	1,2	
Sheaves, Sheave Pins				1,2	1,2	
Bearings				1,2	1,2	
Wear Pads				1,2	1,2	
Covers or Shields				1,2	1,2	
Extend/Retract Chain or Cable Systems				1,2,3	1,2,3	
Platform Assembly	9					
Platform	1,2				1,2	
Railing	1,2			1	1,2	
Gate			5	1	1,5	
Floor	1,2			1	1,2	
Rotator		9,5				
Lanyard Anchorage Point	2			1,2,10	1,2,10	
Turntable Assembly	9					
Swing Bearing or Worm Gear				1,2,14	1,2,3,13,14	
Oil Coupling		9				
Swing Drive System						
Turntable Lock				1,2,5	1,2,5	
Hood, Hood Props, Hood Latches				5	1,2,5	
Chassis Assembly	9					
Tires	1	16,17		16,17,18	16,17,18	
Wheel Nuts/Bolts	1	15		15	15	
Wheel Bearings						14,24
Oscillating Axle/Lockout Cylinder Systems					5,8	
Outrigger or Extendable Axle Systems				5,8	5,8	
Steer Components						
Drive Motors						
Torque Hubs				11	11	
Functions/Controls	9					
Platform Controls	5	5		6	6	

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	Pre-Start ¹ Inspection	Weekly Preventive Maintenance	Monthly Preventive Maintenance	Pre-Delivery ² or Frequent ³ Inspection	Annual ⁴ (Yearly) Inspection	Every 2 Years
Ground Controls	5	5		6	6	
Function Control Locks, Guards, or Detents	1,5	1,5		5	5	
Footswitch	1,5			5	5	
Emergency Stop Switches (Ground & Platform)	5			5	5	
Function Limit or Cutout Switch Systems				5	5	
Capacity Indicator					5	
Drive Brakes				5		
Swing Brakes				5		
Boom Synchronization/Sequencing Systems					5	
Manual Descent or Auxiliary Power				5	5	
Power System	9					
Engine Idle, Throttle, and RPM				3	3	
Engine Fluids (Oil, Coolant, Fuel)	11	9,11		11	11	
Air/Fuel Filter		1,7		7	7	
Exhaust System			1,9	9	9	
Batteries	5	1,9			19	
Battery Fluid		11		11	11	
Battery Charger		5			5	
Fuel Reservoir, Cap, and Breather	11,9		2	1,5	1,5	
Hydraulic/Electric System	9					
Hydraulic Pumps		1,9		1,2,9		
Hydraulic Cylinders		1,9,7	2	1,2,9	1,2,9	
Cylinder Attachment Pins and Pin Retainers		1,9		1,2	1,2	
Hydraulic Hoses, Lines, and Fittings		1,9	12	1,2,9,12	1,2,9,12	
Hydraulic Reservoir, Cap, and Breather	11	1,9	2	1,5	1,5	24
Hydraulic Filter		1,9		7	7	
Hydraulic Fluid	11			7,11	7,11	
Electrical Connections		1		20	20	
Instruments, Gauges, Switches, Lights, Horn		1			5,23	
General						
Operators and Safety Manuals in Storage Box	21			21	21	
ANSI and EMI Manuals/Handbooks Installed					21	
Capacity Decals Installed, Secure, Legible	21			21	21	
All Decals/Placards Installed, Secure, Legible	21			21	21	

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Walk-Around Inspection Performed	21					
Annual Machine Inspection Due				21		
No Unauthorized Modifications or Additions				21	21	
All Relevant Safety Publications Incorporated				21	21	
General Structural Condition and Welds				2,4	2,4	
All Fasteners, Pins, Shields, and Covers				1,2	1,2	
Grease and Lubricate to Specifications				22	22	
Function Test of All Systems	21			21	21, 22	
Paint and Appearance				7	7	
Stamp Inspection Date on Frame					22	
Notify JLG of Machine Ownership					22	
Footnotes:						
¹ Prior to use each day; or at each Operator change						
² Prior to each sale, lease, or delivery						
³ In service for 3 months or 150 Hours; or Out of service for 3 months or more; or Purchased used						
⁴ Annually, no later than 13 months from the date of the prior inspection						
Performance Codes:						
1 - Check for proper and secure installation						
2 - Visual inspection for damage, cracks, distortion or excessive wear						
3 - Check for proper adjustment						
4 - Check for cracked or broken welds						
5 - Operates Properly						
6 - Returns to neutral or "off" position when released						
7 - Clean and free of debris						
8 - Interlocks function properly						
9 - Check for signs of leakage						
10 - Decals installed and legible						
11 - Check for proper fluid level						
12 - Check for chafing and proper routing						
13 - Check for proper tolerances						
14 - Properly lubricated						
15 - Torqued to proper specification						
16 - No gouges, excessive wear, or cords showing						
17 - Properly inflated and seated around rim						
18 - Proper and authorized components						
19 - Fully charged						
20 - No loose connections, corrosion, or abrasions						
21 - Verify						
22 - Perform						
23 - Sealed Properly						
24 - Drain, Clean, Refill						