Spreader Preventative Service

New Leader recommends conducting the following maintenance checks/tests during the off season, rather than corrective maintenance during the busy season. Please consult your New Leader dealer or refer to the operator's manual with any questions or additional information.

Model #	
S/N	
Customer	
Dealer	

Clear All Fields

Before Starting Engine/Before Starting Machine Operation	GOOD	NEEDS WORK
Program rate controller & document settings	○	○
Verify tire pressures are correct per chassis operators manual specifications	○	○
All stop, tail, and turn lights function properly	○	○
Battery condition and connection	○	○
Electrical connections are tight and secure	○	○
All fasteners are secure	○	○
Inverted V is properly installed and secure	○	○
Bin sensor(s) are functioning properly	○	○
Lubricate all grease fittings	○	○
Hydraulic oil level is correct	○	○
Hydraulic line connections are tight	○	○
Hydraulic filters are current and gauge is functional	○	○
Hydraulic hoses are in good condition and properly secured	○	○
Encoder installed correctly and secured	○	○
Gear case oil level is correct	○	○
Safety shields are in place	○	○
Spinner assembly moves through full range of operation	○	○
Spinner assembly is centered and square	○	○
Spinner discs and fins are installed properly and in acceptable condition	○	○
Spinner sensor adjusted to proper gap	○	○
Material divider is centered and square	○	○
Material divider is free of material build up	○	○
Hillside divider is centered and square	○	○
Feed gate assembly is level	○	○
Conveyor belt/chain is properly tensioned	○	○
Chain oiler reservoir is full and operates correctly	○	○

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Spreader Preventative Service (Continued)

Start Engine and Bring to Operational Temperature	GOOD	NEEDS WORK
Hydraulic fittings are not leaking	○	○
Gauges are operating correctly	○	○
Check operation of all alarms	○	○
Hydraulic flow test ____ GPM at operating engine RPM	○	○
Check main relief valve setting _____ PSI	○	○
Conveyor control valve is operating correctly	○	○
Check belt alignment and adjust if necessary (#5 belt conveyor only)	○	○
Test maximum conveyor RPM's	○	○
Using a photo tach check the speed of both spinner motors at normal operating RPM. Maximum allowable difference between motors is 30 RPM. **Caution! Use extreme care!**	○	○

Stop Operation/Turn off Engine and Engage Parking Brake	GOOD	NEEDS WORK
Visually check for leaks	○	○
Conveyor belt/chain properly tensioned	○	○
All oil levels full	○	○

Perform Calibrations	DONE
Using a density scale and the New Leader SGN & Hardness Test Kit, test product density, hardness, and size and document settings (fertilizer only)	☐
Catch test all products to be applied & document settings	☐
Spread pattern test all products to be applied and document settings	☐

End of Season	GOOD	NEEDS WORK
Empty unit of all material	○	○
Sand and touch up paint as necessary	○	○
Wash chain conveyor and lube thoroughly	○	○
Check spinner discs and fins for wear or damage	○	○
Clean unit inside and out	○	○
Check for leaks	○	○
Lubricate all grease fittings	○	○
All fasteners are secure	○	○

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