



CASE STUDY: FARM EQUIPMENT MANUFACTURER

APPLICATION: SEED DISC DRILL

Bearing failure resulting from improper lubrication is a major cause of equipment downtime and significant unnecessary maintenance costs. The majority of failures are caused by: contamination of bushings by dust, dirt and moisture; inadequate amounts of lubricant applied to bearings; or over-lubrication of key pivot points. This farm equipment manufacturer approached FLO to design a standard 86-point Autogreasing System they could easily install on their 40' disc drill seeder.

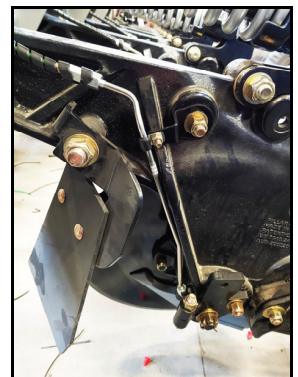
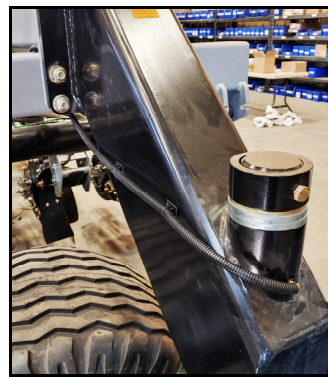
THE FLO SOLUTION

FLO supplied an SKF MonoFlex Autogreaser - a single-line system, consisting of a gear pump with 2.7 L (6 lb.) reservoir, external control unit and parallel type piston injectors. The timer-controlled pump supplies fluid grease to the injector blocks via the main line when the pump is in operation. At the end of the pump run-time, pressure vents and the spring-loaded injectors then discharge independently of each other, precisely measured amounts of lubricant from the metering chambers to the drill lubrication points.



Features of the FLO SKF MonoFlex Fluid Grease System:

- Handles any brand of grease NLGI #000 to 00 that meets system spec's, down to -25°C.
- A totally electric 12 VDC pump eliminates the requirement to connect to the truck's air system, or any potential freezing of airlines due to condensation.
- A pressure gauge mounted at the pump, allows for visual monitoring of system pressure during maintenance inspections and trouble-shooting.
- Feedlines are connected through manifold blocks with individual injectors that are easily adjusted by changing the screw-in volume caps, without having to disconnect any of the grease lines.
- The pump and injectors were assembled on individual mounting brackets, with lines installed and primed.
- An electronic pump control unit with LED provides easy visual inspection. It has an adjustable timer for system "OFF" and "ON" time, and microprocessor that stores all operating states after the power has been switched off.
- It has full monitoring capabilities, including low level and lube failure, and signals any malfunctions via an indicator light.



FLO RESULTS

FLO's System dispenses small measured amounts of grease, frequently while the drill operates, maintaining a consistent grease seal to prevent water, dirt and other contaminants from migrating into bearings. A constant flow of lubricant from inside the bearings outward, purges contaminants from the bearings and ensures they stay lubricated. The FLO System will increase overall productivity and machine availability, utilization and resale value, while lowering on-going operating costs.

**For Total Lube Solutions,
GO WITH THE FLO!**

FLO Components Ltd., 50 Admiral Blvd., Mississauga, ON, L5T 2W1
1.800.668.5458 • sales@flocomponents.com • www.flocomponents.com