



## CASE STUDY: FARM EQUIPMENT

### APPLICATION: AUTO LUBE FOR COMBINE

FLO was approached by a farm equipment dealer looking for an Automatic Lubrication System (ALS) and local installation for a new Gleaner S96 Combine. Their customer had an existing Massey Ferguson machine with a factory supplied Lincoln ALS installed and saw the benefits of automatic lubrication to their operation. They wanted an identical aftermarket Lincoln System installed on the new combine.

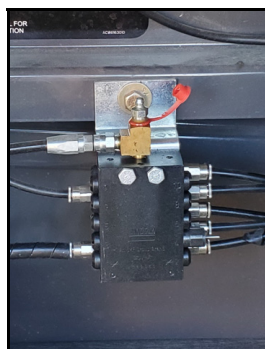


### THE FLO SOLUTION

The FLO system consists of a Lincoln Quicklub® 24 VDC Series 203 pump with a 2L grease reservoir, SSV positive displacement grease metering valves, and fittings, tubing and hose with standard re-usable hydraulic hose ends and adapters.

#### System Features:

- The pump is controlled by the machine ignition switch. It includes an integrated adjustable timer for trouble-free operation and maximum flexibility to quickly adjust grease frequency to suit any location, environment or requirement.
- Points serviced by the system include: kingpins; tie rods; steering axle pivot; fan tensioners; concave pivot points; track suspension; rotor bearings; variable feeder house drive; chopper bearings and belt tensioners; upper unloading gear box; unloader auger, elbow pivot, drive chain tensioner and belt tensioner; and all belt tensioners and belt bearings.
- Grease delivery to bearings is monitored by the visual cycle indicator pin on the master SSV grease metering valve. When the system cycles, the indicator pin on the valve shuttles back and forth, the wiper/paddle rotates in the reservoir and LED lights on the pump controller board go on, allowing the operator to easily and quickly monitor system performance.
- Each SSV valve is supplied with a back-up remote, manual, high-pressure lubrication fitting. In the unlikely event of a system shut-down due to a blocked line, the operator can quickly and easily trouble-shoot and identify the problem zone and take immediate action. If the combine can't be taken out of operation for repair just then, the remaining SSV valves can still be greased through the back-up grease fittings.
- The FLO system is suitable for most off-the-shelf North American greases and will handle lubricants up to an NLGI #2 rating to -25 °C or -13 °F, eliminating the requirement for any "specialized" grease.



### FLO RESULTS

Agricultural applications are unique in that equipment runs 100% consistently for days on end followed by long periods of inactivity. During the operating period, every minute counts. Operators are under significant time pressures and are constantly revising schedules to fit machine and operator availability plus crop and weather conditions. Greasing on the move provides additional flexibility to meet changing conditions by saving an average of 30 minutes greasing downtime per eight hour shift.

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

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