



CASE STUDY: COMMERCIAL LAWN MOWER

APPLICATION: AUTOLUBE FOR A ROTARY MOWER

FLO was approached for an Autolube Solution for a heavy-duty, commercial-grade 16-foot (4.88 m) wide-area rotary mower. The mower's compact design, multiple, critical hard-to-reach lubrication points and limited installation space posed a challenge.

A single-line parallel automatic lubrication system with compact injectors, nylon feed lines and simple supply line routing was the ideal solution. A single hydraulic hose supply line could be routed through the machine minimizing space requirements and simplifying the installation. To address the mower's limited mounting space, FLO technicians worked closely with the customer to custom fabricate the mounting brackets onsite, to mount the pump in a location where it wouldn't obstruct equipment operation.

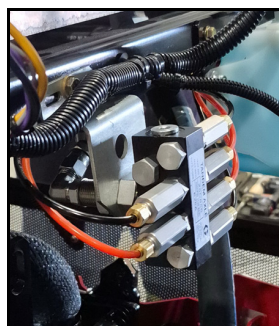


THE FLO SOLUTION

FLO installed a Graco Grease Jockey Automatic Greaser - a single-line system, consisting of a 12 VDC operated pump with 2L reservoir, integrated control unit and parallel type piston injectors. The timer-controlled pump supplies fluid grease to the injector manifolds via the main line when the pump is in operation. Each injector fires independently and simultaneously when mainline pressure reaches the required minimum pressure, delivering precisely measured amounts of lubricant from the metering chambers to the 13 lubrication points on the mower tractor unit. After a set pump run time, the pump stops and a vent valve opens, dropping the system pressure. Internal springs push the injector pistons back down, reloading them with a new dose of grease for the next cycle. The system remains unpressurized until the timer starts the next cycle.

Features of the Graco Grease Jockey Lube System:

- The pump can build pressure in the mainline up to approximately 2,000 psi to ensure all injectors receive flow.
- Handles any brand of fluid grease NLGI #000 to 2 that meets system specifications.
- The pump has an adjustable timer for system "OFF" time (up to 15 hrs.) and "ON" time (2-30 mins), to adjust to any location, environment or requirement.
- It has full monitoring capabilities, including low level and lube failure, and signals any malfunctions via an indicator light.
- A Grease reservoir paddle/wiper provides visual Indication of system operation.
- Feedlines are connected through manifold blocks with individual injectors that are easily adjusted by changing the number of washers on each injector, without having to disconnect any of the grease lines.
- All lubricant lines consist of standard hydraulic hose, fittings and adapters - readily available and easily field replaceable.
- The 12 VDC pump package with integral timer provides a complete stand-alone system controlled by the mower ignition switch. No additional air or hydraulic hook-ups required, giving long-term machine dependability.



FLO RESULTS

FLO's Lube System greases the mower as it operates, ensuring it stays up and running and eliminating the downtime normally required by manual greasing.

**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