



CASE STUDY: GOLF COURSE CONSTRUCTION COMPANY

APPLICATION: AUTOMATIC LUBRICATION FOR COMPACT EQUIPMENT

FLO Components' customer prides itself on providing exceptional quality, service and timely completion of projects. The short, high-paced, seasonal nature of the business, resulted in greasing of the equipment often being neglected. FLO was approached for an Automatic Lube Solution to ensure the mini-excavator and skid steer, the workhorses of the operation, stay up and running.



THE FLO SOLUTION



Each FLO system consists of a G-Mini® 12 VDC pump with built-in heater and 1L grease reservoir, SSV positive displacement grease metering valves, and fittings, tubing and hose with standard re-usable hydraulic hose ends and adapters. Space for attachments on compact equipment is at a premium. 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.

System Features:

- Points serviced by the system include stick cylinder pins, stick/boom pivot, boom cylinder pins, boom base, bucket cylinder pins, upper/lower boom and bucket pivot pins on the excavator; link pins, lift arm linkage, bucket link pins, control link pins, lift arm cylinder pins and tilt cylinder pins on the skid steer.
- 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.
- Grease delivery to bearings is monitored by the visual cycle indicator pin on the master metering valve. When the system cycles, the indicator pin on the valve shuttles back and forth 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 remaining SSV valves can still be greased through the back-up grease fittings until the machine can be taken out of operation for repair.
- The FLO system is suitable for most off-the-shelf North American greases and will handle lubricants up to an NLGI #2 rating, eliminating the requirement for any "specialized" grease.



FLO RESULTS

FLO's Lube Systems grease the equipment 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!**

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