



CASE STUDY: INDUSTRIAL MACHINE

APPLICATION: CENTRALIZED AUTOLUBE

This industrial manufacturing company approached FLO for an automatic greasing system to lubricate several plunger block bearings in three separate zones of a machine. For safety reasons, sensors on the doors to the machine would shut it and production down if tripped, meaning greasing could only be done when the machine wasn't operating. Also, the machine was located in a high-heat and plexiglass enclosed area, making the bearings difficult to service. The customer was looking for a way to make the greasing process, quicker, safer and easier to do, without having to shut the machine down.

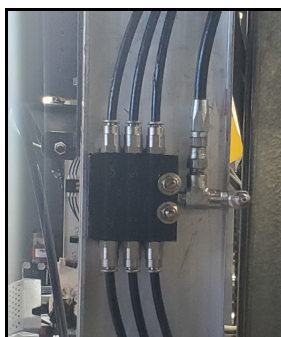


THE FLO SOLUTION

FLO provided an automatic lubrication system solution capable of handling the special high-heat NLGI #2 grease already being used by the customer. It is a stand-alone system, complete with an easy to access, centrally located 120-volt AC electrically operated pump. The system is controlled by the machine start switch, with no additional air or hydraulic hook-ups required, giving the installation long-term dependability. When the system cycles, cycle indicator pins on the SSV valves shuttle back and forth, the wiper/paddle rotates in the reservoir and pressure gauges show operating pressure, allowing operators to easily and quickly monitor system performance.



The pump package includes the Lincoln Industrial pump with integrated timer and 8 Litre grease reservoir. Three pumping elements on the pump each supply a 6-point SSV progressive type, positive displacement distribution valve, which measures and redirects an exact amount of grease through the feed lines to service a total of 18 points in the 3 zones, automatically while the machine is running. Each SSV valve is supplied with a back-up remote manual lubrication fitting. In the unlikely event of a system shut-down due to a blocked line, personnel can quickly and easily trouble-shoot and identify the problem zone and take immediate action. If the machine 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.



FLO RESULTS

The FLO system ensures these hard-to reach lube points receive consistent, measured amounts of lubricant at frequent intervals, all while the machine is operating. It maintains consistent lubricant seals to prevent dirt and contaminants from migrating into bearings. In addition, maintaining a flow of lubricant from inside the bearings outward, purges contaminants from the bearings. The FLO system keeps our customer's equipment up and running and making money, with reduced downtime, reduced maintenance time, better housekeeping and increased machine reliability.

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

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