45 YEARS LUBRICATION Technologies Inc.
AN UNCOMMON TECHNICAL RESOURCE

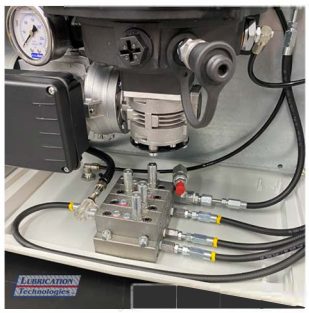
# GALLERY

## *PAPER MACHINE LUBRICATION SYSTEM*

The two enclosed ReliaMAX™ Pump Stations are part of a 10-station pump configuration that will ultimately provide automated delivery of lubricant to 347 lubrication points on a paper machine for a major company in North America.

Each Pump Package consists of an 8 kg high pressure (4,300 psi) pump delivering lubricant to a master divider valve in the enclosure. The configuration provides for both low level lubricant as well as no flow lubricant status indication via digital read out on the face of the controller as well as a strobe light which would notify personnel in the event of either condition.

The Master or Primary valve then feeds secondary divider valves mounted in close proximity to the bearings on the machine's wet end as well as dryer sections. Stainless steel bulkhead fittings on the enclosure provide connections to the secondary valves.



Each Primary valve, as well as all of the secondary valves, have resettable pressure indicators mounted on the face of the valve that would alert personnel to any lubrication points that may have exceedingly high resistance or may be blocked. The pin would clearly indicate what secondary valve or bearing point presents an issue.

This configuration was decided upon by the mill maintenance manager who could more easily have millwrights install the system(s) as available machine outages occur as well as facilitate a palatable budget allocation to the project over time.

Each bearing receives specific volumes of lubricant based on the physical size as well as environmental challenges present in the paper machine such as excessive water, steam and high temperatures. Every Pump Station has a dedicated solid-state controller with a digital read out allowing for "fine tuning" of the lubricant delivery. All tubing runs are made up with high pressure (840 bar/12,183 psi burst rating) hose with reusable 316 SS fittings-no crimping is required.

View more information on our website

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