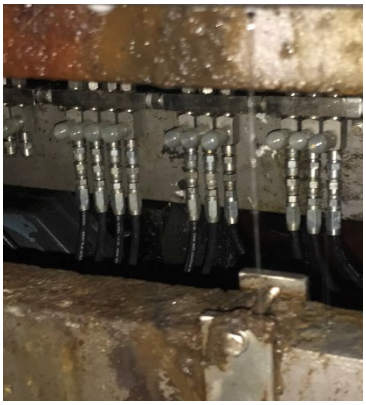
Success Story: *Automatic Lube System at Food Manufacturer*

After receiving a request for assistance from a food manufacturing facility that had experienced repeated bearing failures on one of its line filling stations, Lubrication Engineers conducted a careful review, including interviews with facility employees and an equipment and lubricant audit. We determined that the system was broken at several points and needed to be rebuilt. The new system recommended and installed by LE is highly reliable, safe and does not require production to be shut down for lubricating tasks. Following is a comparison of the old and new lube system, as well as financial benefit calculations estimated for the next 10-year period.

LUBRICATION SYSTEM	OLD (BEFORE LE)	NEW (AFTER LE)
Cycle	Set to run 10 minutes every 6 hours	Set to run one cycle every hour
If One Line Plugs …	Entire system is inoperable	Remaining injectors will still fire
Filling	Open the lid and fill by hand (poor contamination control practice)	Use quick connect on grease pump to fill (best practice contamination control)
Blocks	Carbon steel divider blocks	Stainless steel injector blocks
Feed Lines to Blocks	Rubber hose	Stainless steel tubing header to injector blocks
Feed Lines from Blocks to Bearings	Rubber hose	Rubber hose (no change)
Grease	Hydrotex Grease	H1 Quinplex Food Machinery Grease (4024)
Grease Consumption, Weekly	1,350 cc / 45 oz	434 cc / 15 oz
Grease Cost, Weekly	$21	$10
Grease Cost, Annual	$1,050	$500
Labor Hours, Manual Greasing	2 weeks	0 (none needed)
Labor Cost, Annual	$6,500	$0
10-YEAR ESTIMATED FINANCIAL BENEFITS of NEW SYSTEM	**Capital Cost (parts + labor)**	$13,525
	Interest Rate	10%
	IRR	35.33%
	NPV of Savings from Future Cash Flow	$26,576.12
	Payback Period	< 2 years



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