



SYSTEM AVAILABILITY

GH11 SAVES THOUSANDS IN TRANSFER PUMP FAILURES

Technical Application Bulletin

PROJECT BACKGROUND

DISCOVER

- A global work boat customer was having issues with lubrication transfer pump failures.
- Primarily due to lack of filtration from the bulk tanks.
- Transfer pumps can carry a hefty price tag so it was important the solution be swift and full proof.



DIAGNOSE

- Reviewing the customer applications they used multiple ISO grade of fluids all over the globe at varying cleanliness depending on the region.
- They wanted a single filter to cover all the application and reduce complexity of multiple filter and element types required to stock.
- They required a 1" NPT connection to fit their existing lines.

INDUSTRIES



DESIGN

What We Did: Schroeder recommended the GH11 due to its dirt holding capacity abilities.

Course of action

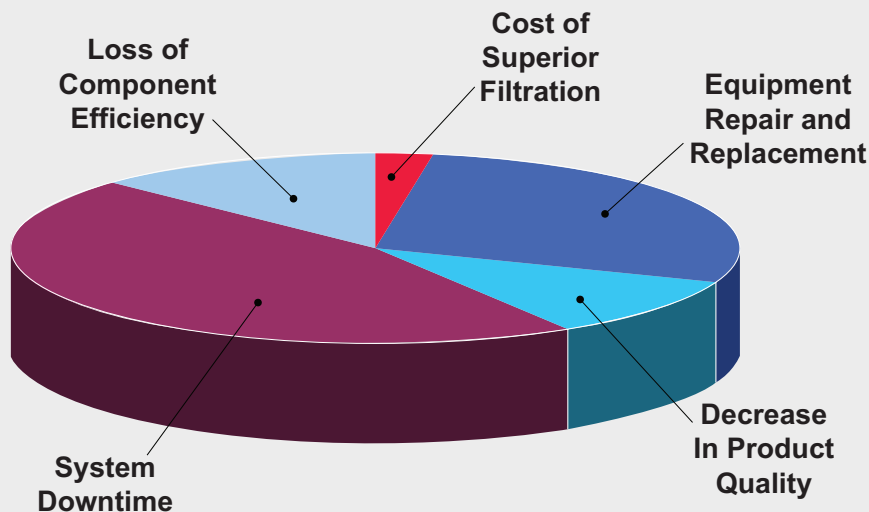
1. Carefully reviewed the GH11 and recognized it has the capacity to meet all ISO viscosity grades required. The elements within the GH11 are large enough to handle the dirtiest oil conditions with dirt holding capacity to spare.
2. The customer operates their own fleets and didn't want to risk swapping out the elements with sub-par knock offs.
3. With a small tooling charge, we were also able to accommodate the 1" NPT port into the GH11



DELIVER

- Customer applied filters to a large percentage of vessels in their fleet. Resulting in pump failures dropping significantly.
- With the Quality Protected elements they can ensure the performance of this equipment for years to come by replacing with only SI products.

	Failures Per Year	Cost Per Failure	Total Cost (per year)	Savings (\$)
Without GH11	50	\$10K	\$500K	—
With GH11	> 5	\$10K	\$50K	\$450k



CUSTOMER BENEFITS

- Saves thousands in transfer pump failures
- Non spin-on cartridge style element.
- Lightweight bowl design with replaceable element minimizes landfill waste

FURTHER APPLICATION AREAS

- Industries with bulk fluid transfer stations
- Waste Water
- Oil & Gas
- Agriculture

ROI

Cost of Pump Failure (%)



90% Decrease

Total Savings (\$)



\$450K

Underlying Values:

The customer was experiencing up to 50 transfer pump failures per year at \$10K+ each with change out costs, that is \$500,000 a year in unnecessary maintenance expenses.

With the new GH11 applied we are looking to cut that to less than 5 failures per year. A bottom-line savings of \$450,000 per year. They also incurred lost productivity time for these vessels of millions of dollars per year.

Often it is the system downtime costs that can be overlooked but the biggest piece of the pie compared to the small costs of superior filtration.

PRODUCT SPECS

GH11 | Quality Protected Elements & Special 1" NPT Port

Flow Rating: Up to 87 gpm (325 L/min)

Max. Operating Pressure: 500 psi (35 bar)

Rated Fatigue Pressure: 500 psi (35 bar)

Temp. Range: -22° to 212°F (-30°C to 100°C)

Weight: 8.0 lbs. (3.6 kg)

Element Case: Aluminum

Element Change Clearance: 7.4" (187 mm)