

Glen Garioch Distillery – Sub Cooler Scale Remover

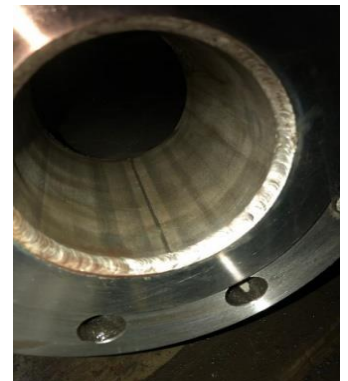
Objectives:

- Saturn were approached to remove fouling that was amassing on a heat exchanger being used to cool down whisky distillate at Glen Garioch Distillery.
- We were tasked to create a procedure that would remove the contaminate from the system in a safe and effective manner. As the restart of production was planned to commence on completion of the chemical clean, Saturn were required to complete the job quickly while avoiding delays.
- Saturn aimed to work to the health and safety guidelines and expectations set by the client in addition to Saturn’s own high standard procedures.



Value to Client:

- Saturn mobilised both personnel and equipment on site quickly. Production downtime was minimised by completing the clean on time therefore allowing the distillery to get back into production more quickly.
- Due to the system being in poorer condition than expected, Saturn’s enhanced procedure and solution allowed the flexibility to adjust the process to enable the removal of heavier contamination than first anticipated.
- Saturn’s Beer Stone chemical solution and process provided better cleaning results when compared to those of contractors previously used by Beam Suntory.
- By using less equipment a rapid turnaround was achieved thanks to quick installation of the temporary equipment and a rapid clean up.
- Bespoke solutions and flexibility enhanced performance and turnaround.



Results:

- The fouling on the inside wall of the distillate pipe was removed allowing for greater heat transfer from the cooling water.
- The temperature of the distillate passing through the sub-cooler decreased below 20°C after the chemical clean, “massively” increasing the systems efficiency.
- All work was completed incident free and on time.



Client: Beam Suntory

Location: Glen Garioch Distillery

Services: Chemical Cleaning

