Triple R
INDUSTRIAL SERVICES

CASE STUDY

GUALA CLOSURES UK

GUALA SAVES € 220,000 THANKS TO..... TRIPLE R FILTRATION!

Guala Closures, the market leader in the production of aluminium and non-refillable closures, is saving tens of thousands of euros each year at its Glasgow site due to Triple R's bypass oil cleaning systems. Since engaging the expertise of Triple R Industrial Services UK, the Glasgow facility has completely eliminated pump and valve failures on its injection moulding machines, minimised oil changes, and is benefitting from optimal machine uptime and longevity. So great are the savings, that the company estimates that a Triple R System has a payback period of less than two months – with thousands of euros saved each year thereafter.

"As one of the world's largest closures manufacturers producing billions of caps and closures each year, Guala Closures is committed to sustainability."

Reducing environmental impact by eliminating unnecessary waste – of energy, equipment and production – is therefore a keen focus of its team, including Craig McCall, Maintenance Team Leader at Guala's Glasgow facility.

"Historically, the manufacturing site at Glasgow had a significant issue with injection moulding machines breaking down. Pumps were having to be replaced three or four times a year on the machines, valves were jamming at around the same rate, and each time a part was replaced, the machine oil had to be changed as well. Not to mention that the machine would be down for 24 – 36 hours while remedial works were taking place. As anyone in the industry will know, pumps cost around €5000 each, and valves €2000, so the cost of replacing those alone was extremely high."

"With 25 hydraulic injection moulding machines, and 400 litres of oil each time, it was adding up to a tremendously wasteful and costly problem. We didn't know what was causing it, so put it down to inevitable wear and tear on the components. Thankfully, the company was approached by Andy from Triple R Industrial Services (TRIS) UK, who suggested that dirty oil was leading to the pump and valve failures," he explained.

www.tris.pro

Triple R Oil Cleaner I TRIS: importer, sales, assembly and engineering of Triple R products. Incentive provider of the Green Award.
Get in contact: Topaasstraat 5 7554 TJ Hengelo the Netherlands. T: +31(0)742428109 E: info@tris.pro W: www.tris.pro

Triple R
INDUSTRIAL SERVICES

CASE STUDY

GUALA CLOSURES UK

From extremely dirty oil.....

Before installing the Triple R Oil Cleaner for the free trial, samples were taken of the oil in the injection moulding machine and sent it to the laboratory for testing. It showed that the oil was ISO Code 23/21/17 (or NAS 12) – extremely dirty oil for this application. The ISO Code is an internationally recognised cleanliness code that helps to determine the overall cleanliness of oil and is the primary piece of data reviewed on most industrial oil analysis reports.

To perfectly clean!

Based on this result, we determined how often the filter element would need changing. TRIS UK installed the Triple R System (which required less than 30 minutes of machine downtime) and changed the filter elements, sampling the oil each time. After three months of having the Triple R System fitted, the oil cleanliness had gone down to ISO Code 16/14/10 (or NAS 5) – a good, clean level which is more than clean enough for effective machine operation and preventing parts failure.

Normally during that time, a valve or pump would have gone on the machine, so we knew that the Triple R System was doing an amazing job. Plus, the oil went from thick, black, nasty stuff to clear, light brown liquid. Based on those results, we decided to keep the Triple R System and get another one installed on another injection moulding machine," said Craig. So impressed with the performance of the Triple R Oil Cleaner and TRIS's service, that Guala Closures then went on to roll out a programme of installing Triple R Systems on all of its 25 hydraulic Injection moulding machines.

www.tris.pro

Triple R Oil Cleaner I TRIS: importer, sales, assembly and engineering of Triple R products. Incentive provider of the Green Award.
Get in contact: Topaasstraat 5 7554 TJ Hengelo the Netherlands. T: +31(0)742428109 E: info@tris.pro W: www.tris.pro

Triple R
INDUSTRIAL SERVICES

CASE STUDY

GUALA CLOSURES UK

Quality insurance by TRIS:

It's been 10 years since we started fitting Triple R Oil Cleaners and the only time we had a problem was when cheaper elements from another brand were used in the in the filters. That machine had a pump failure within a few months; the oil was tested and it was contaminated. In other words, the cheap brand filter element was essentially useless. After that, we made sure that only the original Triple R filter elements are used".

Impressed by the simplicity of Triple R

Craig is also impressed with the simplicity of the Triple R Oil Cleaners, which requires minimal maintenance: "The Triple R filter is incredibly simple. We change the filter elements twice a year, and it even comes with a little bag so you don't get your hands dirty. And TRIS UK works out how often we need to change the filter elements, so effort from us is minimal. It practically runs itself."

"We've literally had no pump or valve replacements in 10 years thanks to TRIS UK's Triple R Oil Cleaner and their incredible service. We wouldn't hesitate to recommend them to anyone. If you've got machines with oil, get TRIS in. They've saved us over €220,000 over the past 10 years, countless production hours, and saved so much hassle by preventing remedial works," he concluded.

Removing particles, water and varnish:

Unlike other filters on the market, Triple R Oil Cleaner is able to remove all three forms of contaminants; solid particles, varnish and water. This is thanks to its unique patented filter design which forces oil through a 114mm thick filter mass, comprising three different layers that remove 99% of solid dirt particles (filters down below 2 microns), eliminate the development of oxidation and varnish, and reduce the concentration of free water to below 100ppm.

Triple R Oil Cleaner I TRIS is Europe's ISO9001:2015 certified, leading Triple R importer, distributor, engineering and assembly HQ. With direct partners all over Europe.
This case study has been contributed by Triple R Industrial Services UK (TRIS UK).

www.tris.pro

Triple R Oil Cleaner I TRIS: importer, sales, assembly and engineering of Triple R products. Incentive provider of the Green Award.
Get in contact: Topaasstraat 5 7554 TJ Hengelo the Netherlands. T: +31(0)742428109 E: info@tris.pro W: www.tris.pro