



## Service & Monitoring Program 2014

**Hydraulic System Predictive & Preventative Maintenance**

Design & Maintenance Engineering Specialists

Today's Hydraulic and Pneumatic systems are complex and their performance and reliability are paramount in allowing your business to run smoothly and effectively without the costly loss of production and downtime from breakdowns.

At SIRUS Fluid Power Ltd we are firm believers in preventative and predictive maintenance. A service that plays a major part in not only preventing these costly breakdowns, but actually allows us in co-operation with our clients, to plan future maintenance that reduces the risk of breakdowns whilst monitoring the operation of the system for maximum efficiency.

The Service & Care Program 2014 is a result of continued contact and experience of our clients' needs to reduce maintenance costs, reduce costly breakdowns/call out charges and importantly maintain production.

Here are two typical client cases that led to the adoption of the Prevent & Care Program 2014.

### **Client A**

Our client have worked with the team at SIRUS Fluid Power for over three years, using our services for regular maintenance, breakdown/call out service, parts supply and refurbishment. But had resisted regular oil analysis and filtration planning and changes, due to a fear of loss of production.

In December 2013 the client experienced a breakdown that led to an 8 hour loss of production. The cause of the component failure was traced to contamination in the fluid, this resulted in regular system failures, loss of production and component expenditures.

After this incident a proposal under the Prevent and Care Program was put forward and accepted by senior management. The package was personalised to meet their budget and expectations.

### **Client B**

This client openly admitted that regular maintenance/monitoring of the hydraulic moulding machines had not been carried out. Sadly a machine failure due to contaminated oil and lack of regular filter change schedule left the company with an insurance claim turned down.

On this occasion our client had been re-active to maintenance preferring to "repair when broke". A free oil analysis proved that much needed work was required to bring the system back to a trouble free standard. The program specified increased filtration, cure fluid loss and regular monitoring by a trained technician.

Once again the program was personalised to the client and accepted into their maintenance schedule for 2014.

So what are the key components and value of the Prevent & Care program

- ❖ Improved equipment efficiency and performance
- ❖ Increased component life.
- ❖ Increased fluid life and quality.
- ❖ Fewer breakdowns/call out charges/ maintenance costs
- ❖ Ability to plan maintenance schedules efficiently.
- ❖ Maintain production capacity/capability

The initial plan is to evaluate the customers system.

### **Evaluation visit**

- ❖ Site Audit of Hydraulic System
- ❖ Live oil sampling – may require placement of sample points.\*
- ❖ Source schematic drawings
- ❖ Discuss operational requirements
- ❖ Itemised report of condition and any recommendations

This comprehensive start point of the program will allow us to show you currently what the operational level that the hydraulic oil supply is at in terms of ISO standards.

Also at this stage we would review and discuss with you the system components, lead times on critical components of the system that are key to your production.

At this stage we can propose a monitoring program that will not interfere with production

\*Live oil sampling does not interrupt production but provides us with real data that we use as key information to monitor performance

### **Care Program**

All Prevent & Care Programs are recommended to run for a min 12 month period, with the following actions taking place during the agreed period.

- ❖ 3 monthly oil sampling and report.
- ❖ Data recorded and evaluated against previous trends
- ❖ Identification of issues if present at sampling event.

- ❖ Knowledge and understanding of system operation
- ❖ Recommended actions for improvement
- ❖ Manage the supply and warranty of all parts within the system (12 month on all items supplied)

Regular reviews with the engineering team to maintain the effectiveness of the program and continue the understanding of the trends and results.

In summary the Care Program offers the following benefits at a time when a large majority of engineering departments are being asked to maintain or reduce maintenance budgets. The program is designed too

- ❖ Reduce production loss
- ❖ Reduction in maintenance budget.
- ❖ More effective planned maintenance schedules.
- ❖ Parts –we hold a comprehensive range of pumps, valves and components, the better we know your system we can predict failure
- ❖ Accountable – We supply, install and commission. No third party involvement and the backing of one company, responsible for your satisfaction.
- ❖ SIRUS backed 12 month warranty on all components supplied and fitted as required.
- ❖ All system checks and quality measurements recorded and compared to retained historical contract data trends
- ❖ Last but not least we guarantee 24 hour cover and response from our highly trained technicians – not a third party.

In summary our service offers are designed to provide you with peace of mind packages for your hydraulic/pneumatic systems. Value added points include the experience with us, including the quality of our work is followed up, to ensure you receive maximum value during the program period, and beyond.

No third party involvement guarantees that we know your system, we know your requirements and we understand the level of service and standards you require.