



Triple R

TOTAL OIL CLEANING SOLUTIONS





C A S E S T U D Y :

MAGNA INTERNATIONAL

THE SITUATION

Due to contamination control issues, Magna instituted a policy instructing maintenance managers to change the hydraulic oil in their injection moulding machines every year, regardless of condition.

Upon investigation, Triple R's expertise and solutions-based approach confirmed contamination was causing:

-  A noisy main pump on one of the injection moulding machines
-  "Sticky" proportional valves in the majority of the machines



Even with this policy they were still experiencing contamination related issues

Backed by over 50 years of expertise, Triple R set out to provide a solution for Magna International’s contamination issues.

THE SOLUTION:

Continuous purification using BU-100 Housings installed directly onto the high pressure lines; bleed off a small amount of oil, clean it, and then return to tank. The elements used were M-series, which provide cleaner than new oil. When dealing with any sort of valve issues you need the cleanest oil possible as the tolerances between moving parts is extremely small. Any contamination will cause malfunctions and unnecessary wear and tear on these expensive and sensitive components, as Magna was experiencing.

Equipment:

- > BU-100 Housing
- > M-series elements



Proportional valve issues have been significantly reduced

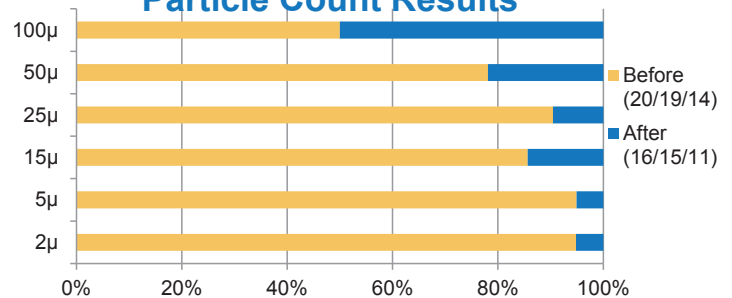
THE RESULTS:

By implementing Triple R’s innovative approach and trusting our expertise as an industry leader, Magna was able to achieve substantial cost savings.

The results over a 3-year period showed that installing Triple R bypass oil cleaning technology;

- > The noisy main pump is running quietly and has not needed to be replaced
- > Saves 1,000 litres/ 264 gallons of oil each year
- > No more sticky proportional valves

Particle Count Results



Micron	2µ	5µ	15µ	25µ	50µ	100µ
Before (20/19/14)	990510	305820	8450	2225	125	5
After (16/15/11)	54080	16390	1415	235	35	5
% Decline	95%	95%	83%	89%	72%	0%

Triple R is a total oil cleaning solution that has been delivering innovative oil cleaning technology for over 50 years. We pioneered ‘total cleaning’ of industrial hydraulic and lube oil, guaranteeing oil purity and reducing environmental impact. Our scalable filtration systems can be customised to fit specific requirements worldwide, backed by 24/7 customer and distributor support.