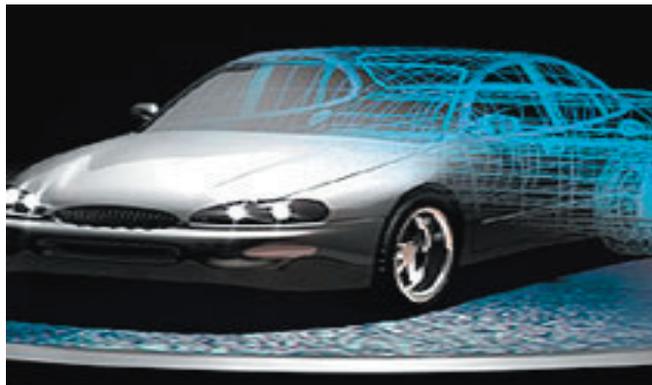


# Triple Review

Review for oil cleaning and machine maintenance - Issue 2 - 2004

## The Plydex Decoma story



**M**agna, the most diversified automotive supplier in the world, designs, develops and manufactures automotive systems, assemblies, modules and components, and engineers and assembles complete vehicles, primarily for sale to original equipment manufacturers of cars and light trucks in North America, Europe, Mexico, South America and Asia.

Magna's products include: automotive interior and closure components, systems and modules through Intier Automotive Inc.; metal body systems, components, assemblies and modules through Cosma International; exterior and interior mirror, and engineered glass systems, through Magna Donnelly; fascias, front and rear end modules and lighting components through Decoma International Inc.; various engine, transmission and fueling systems and components through Tesma International Inc.; a variety of drivetrain components through Magna Drivetrain; and complete vehicle engineering and assembly through Magna Steyr.

Mr. Steven Gilmer is the Manager of Maintenance for this division of one of the world's largest Automotive suppliers. Plydex Decoma is part of the 20 billion \$ Magna Corporation.



In the world of Automobile Manufacturing "On Time Supply" is absolutely critical and all aspects of the process from the roll off of a completed vehicle on down, are part of this critical manufacturing process.

Mr. Gilmer is charged with ensuring that the plant is operating at its capacity and producing consistently high quality products.

Hydraulics and lubrication play a very large roll in the process and the cleanliness of these fluids has been a major focus of the department and indeed the corporation.

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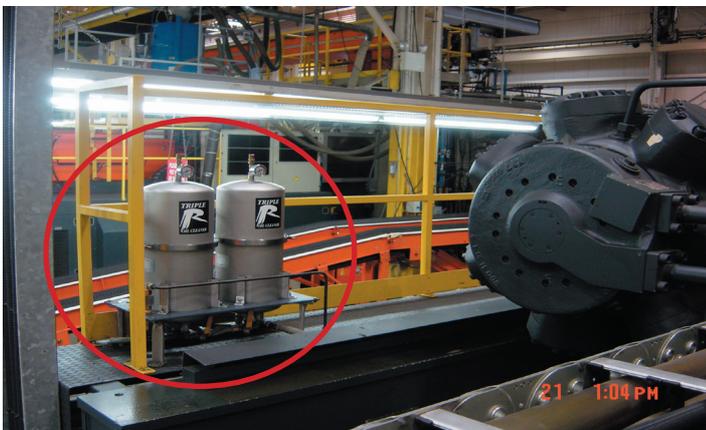
Name: Steven Gilmer  
Position: Maintenance Manager, Plydex Decoma, Aurora, ON

# Triple R Review

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Mr. Gilmer says:

Oil is the life blood of the machines. It is only common sense to keep it as clean and pure as possible .



With this in mind Triple R was brought in to address the problem of continuously maintaining the high standards expected, without adding time consuming man hours to the department. Portable filter carts had already proved that additional filtration was needed. The problem was that contaminants come in various forms and continuously build up.

Solid particles and soft pollutants (oxidation) were necessitating the cleaning of suction strainers on too frequent a basis. This was very time consuming and required prearranged machine downtime.

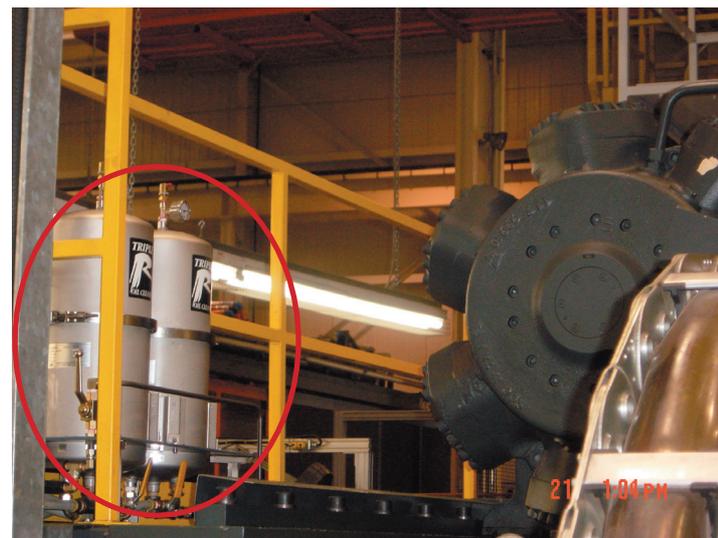


## Solution:

Continuous Oil Purification. Two each of the Triple R model BU-300 in parallel flow were installed as dedicated units. This gave a flow of 4.25 GPM that is equivalent to 15% of the system volume per hour. Every operating day the hydraulic oil is circulated over 3.5 times through submicron filtration removing solid as well as the soft pollutants and any moisture.

The decision was made to install all machines with the dual canister BU-300, and a return on investment was achieved well within the anticipated 12 month proposal.

Ongoing oil analysis and machine performance confirms that Mr. Gilmer's decision to address the life blood of his equipment was all about preventative maintenance and good health.



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