

## The BioBased A-List: RSC Bio Solutions and its biobased cleansers, lubricants and hydraulic fluids.

Jim Lane | July 18, 2012

**In industry, it's all about the uptime, and the upside in performance that drives cost-competitiveness. There, biobased lands a hand.**

In manufacturing, time is money. In fact, reducing errors and down time is a primary focus of the Deming system of quality management practices, and the Six Sigma movement initiated by Motorola and then taken around the world.

It's spawned a whole raft of references to Black Belts and Green Belts on resumes that have befuddled non-Six Sigma employers, but have driven a culture of excellence in manufacturing.



The biobased revolution has a part to play in the search for manufacturing excellence. As RSC Bio Solutions notes, “downtime resulting from unplanned equipment maintenance, quality concerns, environmental concerns or human safety issues can mean a significant loss for the company. The best and most efficient performance comes from equipment maintained in a safe working environment with the highest quality products.”

Which is a polite way of saying “garbage in, garbage out.”

How does the biobased revolution have a dog in this hunt? Prolonging equipment life, reducing maintenance downtime. In the case of turf maintenance, avoiding the potential of incidents that can damage the turf itself. Not to mention moving forward on meeting the company's sustainability and environmental stewardship goals.

One of the most comprehensive product lines we've seen has come out of RSC Bio Solutions, a unit started two years ago by North Carolina's Radiator Speciality Company — and which, after partnerships were established with Gemtek Products and Terresolve Technologies to become the exclusive North American licensees of Gemtek's Safecare technology and EnviroLogic from Terresolve.

So it's been combined into one exclusive product platform — comprehensive, and state-of-the-art — a worthy entrant into the BioBased Digest A-List for a combination of superior performance and cost-saving (total system) opportunities, compared to petroleum-based products.

## ***Product Description:***

RSC Bio Solutions manufactures a line of nonhazardous, biobased cleaning, degreasing, and lubricating products. These are nontoxic fluids that work without compromise and provide an enhanced level of safety and business efficiency, reducing workplace hazards and costs.

Products include Truck and Equipment Wash, Heavy Duty Degreaser, Universal Parts Washing Fluid, General Purpose Cleaner and Degreaser, Penetrating Oil, Jack Oil, Aerial Lift Fluid and Mobile Equipment Hydraulic Fluid.

Product Applications:

Waste management, utility fleets, offshore marine, golf course maintenance.

## ***Unique Features:***

Universal Parts Washing Fluid. The Gunk Powered by SafeCare Universal Parts Washing Fluid makes use of demulsifying technology – the solution easy to maintain and can result in lower waste disposal costs. Jack Oil. The Liquid Wrench Powered by EnviroLogic Jack Oil provides high antiwear and corrosion protection, and is formulated to reduce sling off, which offers superior lubrication. The biobased ISO 46 grade jack fluid delivers premium performance when compared to petroleum-based jack oils.

Aerial Lift Fluid. The Liquid Wrench Powered by EnviroLogic Aerial Lift Fluid offers a premium performance when compared to petroleum-based aerial lift fluids. The non-hazardous technology is designed to meet or exceed the requirements of most major hydraulic equipment manufacturers and has outstanding performance in low temperature environments.

Mobile Equipment Hydraulic Fluid. The Liquid Wrench Powered by EnviroLogic Mobile Equipment Hydraulic Fluid is readily biodegradable and safe for use in all ISO 46 grade hydraulic systems. This biobased hydraulic fluid has outstanding performance in low temperature environments.

## ***Why an A-list, biobased product?***

Think total system advantage. With these biobased products, little if any protective equipment needed. There are lower shipping, handling and containment costs, lower operating temperatures, longer changeover intervals, and more efficient waste water and waste oil recycling.

Note, also, the premium performance characteristics of Mobile Equipment Hydraulic Fluid, Aerial Lift Fluid, Jack Oil, and Universal Parts Washing Fluid.

Then consider the remediation costs in case of spillage. RSC [offers this analysis](#) of how the costs can drop from \$49,500 to \$6,500 in case of a 250 gallon spillage.

***About the A-List.***

All products covered in BioBased Digest have a significant bio-based content – hence, the “B-List” and thereby create a more eco-friendly, sustainable set of product choices, and offer comparable performance to more carbon-intensive (the C-List) products and materials.

Beyond the B-List, there are products that, in addition to having a bio-based benefit – have superior performance or cost benefits. Those that have cost or performance benefits that are 3rd-party verified or otherwise testable, are eligible for the Digest’s A-List.

***Manufactured by:***

RSC Bio Solutions  
Indian Trail, NC  
[Product website](#)