



ENHANCING SUSTAINABILITY, PERFORMANCE AND EFFICIENCY THROUGH FLUID CHOICE

RSC ENVIROLOGIC® CASE STUDY ON WASTE PRO FLEET OPERATIONS



Performance and sustainability—two words with growing importance in the waste industry. Performance is a must-have for waste collection fleets to efficiently serve their communities, while the equipment used in that service continues to provide an opportunity for enhanced sustainability. With these factors in mind, the use of readily biodegradable, biobased hydraulic fluids in place of traditional petroleum-based fluids is becoming more widespread in the waste industry.

BACKGROUND

Waste Pro USA is one of the country's fastest growing privately owned solid

waste collection, recycling, processing and disposal companies, operating in eight Southeastern states. Serving more than two million customers from more than 70 operating locations, Waste Pro is headquartered in Longwood, Fla., and maintains more than 165 exclusive municipal contracts and franchises.

“IN THE END, WORKING WITH RSC BIO SOLUTIONS IS A NO-BRAINER FOR WASTE PRO,” SAID NICHOLAS. “ENVIROLOGIC FLUIDS ARE BETTER FOR THE ENVIRONMENT, BETTER FOR OUR COMMUNITIES AND BETTER FOR OUR BOTTOM LINE.”

Waste Pro is committed to the concept of “Going Green” and has undertaken numerous steps to be more sustainable in its operations. Waste Pro has implemented

numerous equipment systems like hybrid and CNG-powered collection vehicles, as well as CNG fueling facilities and has also ramped up its recycling efforts both as a service to customers and at its own facilities to reduce landfill waste. Waste Pro also powers one of its regional headquarters through solar energy.



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CHALLENGE

Waste collection fleets are facing not only ever-increasing regulatory and safety requirements for their operations, but also the public's need for environmentally friendly, low-impact waste management. To this end, the waste industry has long been looking for effective ways to minimize and manage hydraulic fluid spills in the event of leaks or line failures.

Waste Pro already had a program to place anti-wear armoring around all of its hydraulic hoses to reduce hydraulic spills into the environment. The company was still looking for a hydraulic fluid solution that would improve performance efficiency while decreasing risk in the event of leaks and line failures for its fleet of solid waste collection, recycling, processing and disposal equipment. A large part of spills or leaks involve costly remediation and loss of goodwill in the community.

SOLUTION

Readily biodegradable fluid suppliers look to formulate products that meet a wide variety of environmental regulations and standards. Spills of readily biodegradable products are often viewed by regulatory agencies differently than petroleum-based spills, and this effect can positively impact a company's spill response, costs and, ultimately, operational productivity.

Waste Pro began using RSC EnviroLogic® readily biodegradable* hydraulic fluid from RSC Bio Solutions to lessen the environmental risk caused by hydraulic fluid spills, save money on remediation costs and increase operational efficiency. Being readily biodegradable, RSC EnviroLogic is designed to degrade 60 percent or greater within 28 days or less. The fluids also deliver ISO-

standard performance and have received approvals from more than 50 major original equipment manufacturers.

“RSC Bio Solutions’ products fit with our philosophy at Waste Pro to serve our communities in a responsible way, in every aspect of our operation, and that’s the main reason we are transitioning to the RSC EnviroLogic products,” said Bob Nicholas, corporate fleet director for Waste Pro. “When spills occur, mitigation and clean-up is less troublesome for our environment and our communities due to the readily biodegradable aspect of RSC EnviroLogic fluids. Based on the data we’ve collected so far, we are seeing cost savings, especially in remediation, but also through the fluids’ longer oil life that decreases our maintenance costs.”

RESULTS

Along with enhanced performance, the extended life of the RSC EnviroLogic fluids provide a productivity boost to service personnel in not having to change fluids as frequently. When fluid changes are needed, RSC EnviroLogic products are less costly to dispose of than petroleum-based alternatives. Waste Pro estimates, per fleet of 40 trucks, that it will gain efficiency in equipment uptime, while lowering its related service labor and disposal costs by 33 percent.

The company also estimates its remediation costs could decrease by as much as 68 percent because spill risks, impact and clean-up costs can often be significantly lower than with petroleum-based fluid spills. Waste Pro anticipates positive perception among customers and the community due to its more favorable environmental footprint and is promoting its use of readily biodegradable fluids through truck decals.

RESULTS (CONTINUED)

RSC Bio Solutions also offers its customers, including Waste Pro, oil sampling and analysis services to monitor oil properties monthly, and all parameters for Waste Pro are indicative of longer fluid life. Between the life cycle costs of the new fluids, the increased productivity and the spill remediation savings, Waste Pro anticipates a savings of approximately 50 percent by making the switch to RSC EnviroLogic fluids, when compared to petroleum-derived hydraulic fluids.

"In the end, working with RSC Bio Solutions is a no-brainer for Waste Pro," said Nicholas. "EnviroLogic fluids are better for the environment, better for our communities and better for our bottom line."



ABOUT RSC ENVIROLOGIC® HF HP SERIES†

Well suited for waste applications, the RSC EnviroLogic® HF HP Series is a high-performance line of readily biodegradable hydraulic fluids. These products can perform in extremely high-temperature (250° F), low-temperature (-40° F) and high-pressure (5000+ psi) applications. Formulated from readily biodegradable low-toxicity base stocks that afford exceptional oxidation and thermal properties, the RSC EnviroLogic HF HP Series of products is ideal for demanding hydraulic systems operating in environmentally sensitive areas, like public streets, municipal areas and residential neighborhoods.

The fluids exhibit enhanced wear protection, cleanliness and longer life than conventional petroleum hydraulic oils, while meeting ISO and SAE grade specifications. RSC EnviroLogic HF HP Series products are direct replacements for a broad range of ISO/SAE grades of petroleum-based hydraulic fluids and reduce environmental impact in the event of a leak or spill.

†Previously EnviroLogic® 3000 Series

For more information about RSC Bio Solutions, visit us at rscbio.com or call +1 704.684.6100.



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