



## DELIVERING CONSISTENT PROTECTION BACKED BY HIGH PERFORMING LUBRICANTS

RSC ENVIROLOGIC® CASE STUDY ON NASATKA SECURITY COMPONENT ASSURANCE

### **NASATKA** SECURITY

In the security industry, performance is critical. For hydraulic barrier systems, this means that the fluids need to perform at the highest levels to ensure that all components operate consistently and effectively. With the right high performing, readily biodegradable products, customers in the security sector can keep their facilities secure and their employees and environments safe—without sacrificing performance.

#### **BACKGROUND**

Established in 1975, Nasatka Security has provided barrier protection for some of

the highest profile government agencies, military installations and corporate facilities in the United States and around the world. Throughout its history, Nasatka Security has serviced more than 200 army bases in the continental U.S., Hawaii, Alaska, Europe, Korea, Japan and the Pacific Region, as well as more than 500 active vehicle barriers (AVBs) on 16 U.S. Navy bases in California and Nevada.

Washington, D.C., area-based Nasatka Security is the originator of the first, crash-tested barrier systems developed, manufactured and installed in the United States. Nasatka Security's ongoing commitment to research and development enables it to remain an industry leader, and the company's perimeter barrier solutions

**“WE BUILD OUR EQUIPMENT TO EXCEPTIONALLY HIGH STANDARDS AND REFUSE TO COMPROMISE QUALITY. RSC BIO SOLUTIONS MORE THAN MEETS OUR NEEDS.”**

have proven to be effective vehicle threat deterrents, as well as reassuring security measures for employees and other authorized personnel.

## CHALLENGE

Nasatka Security uses hydraulic fluid in a number of barrier system applications, including: steel-plate mobile and fixed barriers, retractable and fixed bollards, drop-arm crash beams and sliding crash gates.

Being in the security sector, it is critical that the components of the barrier systems—including the hydraulic fluids that keep the systems running—are dependable and high performing. Furthermore, with many of these system components being located underground, there is an additional challenge if a leak or other accidental spillage occurs. Oftentimes, the only notification of a hydraulic line rupture or failure is if a component of the security system fails to operate correctly, meaning a spill is not always obvious at the onset. Additionally, a number of Nasatka Security's systems are located within the National Park System or other protected areas, where the environmental impact of a spill is of utmost concern.



## SOLUTION

Nasatka Security began exploring its options for environmentally responsible products over 10 years ago. Believing it could be an interesting niche market for their business, they were looking for a biodegradable option that would keep the environment safe—without sacrificing performance.

Starting with an initial product trial, Nasatka Security turned to RSC Bio Solutions' uniquely engineered products that are effective for a wide range of uses including physical security barriers used to protect critical infrastructure assets for U.S. military installations and embassies, corporate headquarters, data centers and government buildings.

Nasatka Security has now been using RSC Bio Solutions' RSC EnviroLogic® HF 32<sup>†</sup> hydraulic fluid in their barrier systems for more than 10 years.

Additionally, within the last year, Nasatka Security has added RSC EnviroLogic® HF 32 HP<sup>††</sup> hydraulic fluid to their list of approved products. This readily biodegradable\*, synthetic ISO 32 grade hydraulic is an ideal solution for use in some more extreme situations, depending on the performance requirements of the system and the environmental conditions.

***“We build our equipment to exceptionally high standards and refuse to compromise quality. To ensure that we maintain these standards during the ongoing operation and maintenance of these systems, we need partners with high performing products. RSC Bio Solutions more than meets our needs.”***

***- Linda Nasatka***

<sup>†</sup>Previously EnviroLogic® 132 Hydraulic Fluid

<sup>††</sup>Previously EnviroLogic® 3032 Hydraulic Fluid

## RESULTS

RSC Bio Solutions' readily biodegradable, high performing lubricants have successfully met and/or exceeded the extensive testing procedures required by Nasatka Security, as evidenced by multi-year field use.

In 2014, Nasatka Security was awarded a nationwide preventative maintenance contract for the United States Marshals Service (USMS). The contract will cover USMS's crash rated and non-crash rated AVBs. Nasatka Security's Global Service Division will deploy its regional maintenance teams across the United States, providing preventative maintenance and on-call repair to more than 130 vehicle barricade systems and will utilize RSC Bio Solutions' products as they change out the fluids and then maintain these sites.

Similarly, for the ongoing maintenance of the barrier systems in which they do not have a service contract, Nasatka Security sells RSC Bio Solutions' products to some of their customers—emphasizing their belief in the quality of the products.

*“In addition to being safer for the environment, the performance benefits of the RSC Bio Solutions RSC EnviroLogic line of products have given us peace of mind when it comes to the maintenance aspect of our systems,” continued Linda Nasatka. “We utilize RSC EnviroLogic hydraulic fluid to maintain the quality and performance of our systems and encourage our customers to do the same.”*

### RSC ENVIROLOGIC® HF 32 HYDRAULIC FLUID†

RSC EnviroLogic HF 32 hydraulic fluid is a biobased, readily biodegradable\* ISO 32 viscosity grade hydraulic oil for use in general purpose hydraulic systems. RSC EnviroLogic HF 32 is based on unique biodegradable base oil technology and is a direct replacement for petroleum oil based hydraulic fluids of the same viscosity.

### RSC ENVIROLOGIC® HF 32 HP HYDRAULIC FLUID\*\*

RSC EnviroLogic HF 32 HP hydraulic fluid is a high performance, readily biodegradable, synthetic ISO 32 grade hydraulic fluid. It is intended for severe service, extreme high temperature (250°F), low temperature (-40°F), and high pressure (5000+psi) applications and is certified as an EAL compliant with 2013 US EPA VGP.

†Previously EnviroLogic® 132 Hydraulic Fluid

\*\*Previously EnviroLogic® 3032 Hydraulic Fluid

\*As per OECD 301B or ASTM D7373

For more information about RSC Bio Solutions, visit us at [rscbio.com](http://rscbio.com) or call +1 704.684.6100.



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