



In the Field with Donaldson

# Clean Fuel & Lubricant Solutions



### THE SITUATION

SRZ Racing is a "Super Truck" racing team located in New South Wales, Australia. SRZ has raced in Australia and New Zealand since 1989, and has, over that time, experienced mixed success in its races on the Australian National Truck Racing Organization (ANTRO) circuit. Like all racing teams, SRZ continually strives to get better and win more races. So when Brett Howe of Donaldson Australasia approached SRZ with some ideas as to how Donaldson could help the team improve the performance of its racing trucks, SRZ was all ears.

### THE INVESTIGATION

When Howe first approached SRZ, the team had no idea that Donaldson offered such a wide variety of products that could help improve racing performance. As Howe and the team walked around an SRZ racing truck, he pointed out that Donaldson manufactures high-performance air filters, breather systems for differentials, transmission coolant filtration, engine oil filters, oil cooler filters, braking breather systems and diesel fuel filtration systems, as well as high-temperature wrapping materials that could boost the performance of the truck's exhaust system.

SRZ's trucks weigh eight to ten tons each and run on 1,400 HP Kenworth engines (as compared to a typical over-the-road truck engine with about 400 HP). The stresses and strains an SRZ racing truck faces in one lap on the circuit are equivalent to more than 1,200 miles (2,000 km) of over-the-road driving. Super Truck races are usually six laps, so you can imagine how tough the trucks have to be just to finish a race, let alone win one. It's the equivalent of driving from Sydney to Los Angeles!

As a Donaldson expert, Howe is just as concerned with overall problem solving as he is with providing high-quality filtration products. The conversations with SRZ revealed that the team had recently been having problems finishing races due to mechanical engine failures. During his investigation, Howe discovered that the diesel fuel SRZ was putting into its racing trucks often came out of uncovered 44-gallon drums. Thus, it was very likely that the diesel fuel going into SRZ's high-performance engines was severely contaminated with dirt and water, both of which are known to cause significant fuel system performance problems and failures.

## THE CHALLENGE

To win more consistently, SRZ needed to up its game. They needed more durability from their truck engines, they needed an increase in power and they needed more speed. They knew that their driver, Stephen Zammit, was among the best on the circuit, and to utilize his skills completely, they needed equipment to perform at its best. SRZ's ultimate goal was to win both the Trans-Tasman Truck Racing Championship and the Australian Super Truck Championship in the same year, a feat that had never before been accomplished in the history of ANTRO.

## THE SOLUTION

As Howe puts it, SRZ went all-in and "fitted it all up." The team implemented all of Donaldson's recommendations for achieving better performance. SRZ installed new Donaldson Blue air filters, transmission filters, engine oil filters, breathers on the brake systems, and bulk diesel fuel filtration systems that cleaned the fuel entering SRZ's trucks for optimal performance, even under the punishing conditions of Super Truck Racing.

## THE RESULT

The Donaldson products and filtration systems were installed before the 2013 racing season. SRZ was very pleased with the results.



- There were no Donaldson product failures, even under these extreme conditions.
- SRZ finished every race.
- Transmission lines proved to be slightly cooler as compared to previous seasons, and this turned out to be an enormous advantage.
- Lap times were improved by a whopping 1.5 seconds per lap – an eternity in racing terms.
- SRZ accomplished its goal and won both the Trans-Tasman and Australian Super Truck Championships in a single year!

SRZ's competitors, while at first skeptical about the team's new tactics, were impressed by the team's results, and at least four have contacted Donaldson to discuss how they too can achieve more using Donaldson's line of products and expertise. On this competitive yet friendly racing circuit, secrets don't stay secret for long!

Donaldson is proud to have sponsored SRZ Racing for the 2013 season. We congratulate the entire SRZ Racing team on their thrilling 2013 Championship wins.

**"We haven't changed a lot. But we put Donaldson on and we are now 1.5 seconds per lap quicker."**

*- Stephen Zammit, SRZ Racing Team Driver*



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As a global organization, we have offices throughout the world. Please direct your inquiry to [clean.solutions@donaldson.com](mailto:clean.solutions@donaldson.com). This will enable us to address your inquiry in the shortest possible time.

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