

MAY 16-19

2019 BRISBANE TRUCK SHOW

SPECIAL LIFT-OUT



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Trial is yielding positive results

POWERDOWN, leaders in Australian-designed shock absorber technology, have taken a step further in developing an environmentally friendly solution.

Collaborating with Re-Oil, a local Newcastle oil and lubrication specialist company, Powerdown were instrumental in the development of the tailored high-performance shock absorber fluid made from sugar cane.

The base fluid selected for this application not only originates from a renewable plant-based resource but is also biodegradable.

This makes BioShock Ultra the logical choice for an environmentally conscious user, who will not compromise on product performance.

Key performance features of this new fluid include a superior ability to distribute heat, which facilitates high rates of heat dissipation within the fluid and a superior flash point compared to traditional



EXCITING DEVELOPMENTS: The Powerdown team will be available to discuss new developments at the show. PHOTO: CONTRIBUTED

shock absorber oils. The benefits of these features allow for exceptional shock absorber performance and endurance with consistent high resistance to fade or loss of damping to ensure high level wheel stability for positive road traction and braking.

Bench testing

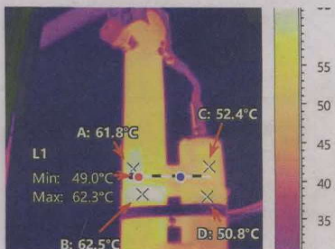
To ensure that the new fluid would perform to Powerdown's rigorous

standards, a thermo-study was carried out on a number of dynometers and data gathering machinery to expose the fluid to the most conceivable parameters of stress and enduring resistance factors, including any physical break down of the fluid composition that may have revealed themselves when subjected to the "torture tests" considered compulsory by Powerdown.

On Highway testing

Currently a six-month trial is under way with the support of Hills Tankers, from the Hunter region, on a pair of B-double combinations.

The two test vehicles made available by Hills Tankers shuttle between Beresfield, northern New South Wales and inland as far as Glen Innes, travelling up to 5000km on a weekly basis.



Thermographics testing.

PHOTO: ANTONY STEYNBERG

One has been fitted with a 12 Powerdown test shock absorbers and the other being used as a control vehicle, is running Original Equipment shock absorbers.

Hills Tankers have a modern servicing facility where their trucks are inspected and serviced once every two weeks to ensure safe and efficient running of all vehicles.

During the trial both vehicles will be evaluated

and serviced at the same rate to compare the difference in performance; wear and tear will also be monitored to evaluate the performance of the new shock absorber technology under real world working conditions.

The trial is still under way, but the initial results look good, driver feedback has been very positive and overall performance has improved.

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