



Tieman 25m B-double ammonium nitrate solution combination.



Point mounted suspension.

Industry specialists

AS ONE OF AUSTRALASIA'S LEADING LOGISTIC COMPANIES, OPERATING AN EXTENSIVE NETWORK OF OVER 1100 SITES ACROSS THE WORLD, **THE TOLL GROUP** STRIVES TO DELIVER PREMIUM SERVICE AND EQUIPMENT THAT CUSTOMERS HAVE CONFIDENCE IN.

Carting Ammonium Nitrate Solution (ANSol) from Kooragang Island to the Orica manufacturing plant in Liddell, Toll Global Resources is following in the footsteps of Albert Toll, who founded the corporation 122 years ago in Newcastle; hauling coal with horse and cart.

But unlike coal, ANSol is classified for physicochemical hazard and specified as dangerous in the Australian Code for the Transport of Dangerous Goods. Produced by reacting gaseous ammonia with concentrated nitric acid, it is used to produce an explosive emulsion. "With a transport temperature range of 90 to 130 °C, ANSol has the potential to cause serious injuries if not handled correctly," says Toll workshop manager Chris Grace. "That's why we only rely on premium equipment."

To ensure that the sensitive chemical substance will endure the journey from Kooragang to Liddell, Toll Global resources



Toll workshop manager, Chris Grace



Hinged mesh platform for standing when in gantry area.



ordered a Tieman stainless steel insulated B-double combination. "We already operate one Tieman tanker in Newcastle and had no trouble with it in close to two million kilometres," Chris explains.

The new ammonium nitrate B-double combination has an overall capacity of 33,000 litres. The shell is made of solid 5mm stainless steel; including 6mm dished ends and a 75mm grade 450 Rockwool blanket to ensure the insulation of all coaming and chassis rail areas. In addition, the stainless steel rings clasp the shell are covered in a 25mm calcium silicate mantle to minimise heat transfer from barrel to cladding. Equipped with a Holland FW70 fifth wheel and Holland 2 speed single operation retractable landing legs, the lead B-double is able to carry 11,000 litres in one compartment. Both trailers feature Hendrickson Intraax 230 spread tri axle air bag suspension and three Intraax axles with 10 stud 285 PCD steel HUS hubs and

mechanical drum brakes, including an EBS braking system with roll stability sensing. "We've already used this combination of suspension and brake system before, and we had no trouble in 1.2 million kilometres," says Chris Grace. "So we decided to adhere to tried and tested material." Delivered in December 2010, "the vehicle is working nonstop," he adds. "And it answered all expectations. We haven't had a problem at all." The new B-double will complete the Toll Global resources fleet based in Tomago, Newcastle, consisting of 22 B-double combinations and 12 single combinations.

"Toll Global Resources provides logistics solutions to the oil and gas, mining and chemicals industries throughout Australasia," says operations manager Donna Garth. "Toll Global Resources is recognised as an industry specialist, with service capabilities ranging from transportation of placardable loads of dangerous goods into mine sites to the

delivery of oil drilling equipment." Toll Global Resources is part of the Toll Group, providing integrated logistics services worldwide and generating annual consolidated revenue of \$ 6.9 billion. Since listing on the ASX in 1993, Toll has progressively built and grown its logistics model in response to increasing customer demand for a complete end-to-end logistics solution, incorporating the critical components of operational expertise, scale, diversity of services and technology solutions. In pursuit of Toll's vision, corporate strategies focus on generating superior returns for Toll Shareholders measured in terms of growth in revenue, NPAT and EPS and returns on capital employed. "Delivering premium transport equipment, Tieman has played a vital part in contributing to Toll's ability to delivery first class customer service," says Donna Garth. "As the Toll brand stands for integrity, honesty, innovation, trust and for 'coming through' for customers, Tieman represents reliability, quality and premium service. We consider suppliers to be partners on eye-level, and we value the long-term relationship we've developed with Tieman."

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