



Muswellbrook Landfill Gets an

Early Christmas Present

The team at the Muswellbrook Landfill in the New South Wales Upper Hunter Valley had a surprise visit during mid-December from a big man with a red suit and a white beard – and he delivered a much anticipated ‘present’.

While most of us have to wait until December 25 for a visit from Santa, the man himself (or one of his trusty helpers!) managed to take some time out from his busy schedule to deliver Muswellbrook Shire’s new Tana landfill compactor – and they couldn’t be happier!

Alan Chick, Waste Environment and Operations Manager with Muswellbrook Shire Council explained:

“Everyone was very excited about the arrival of the new Tana landfill compactor – it represents a major milestone in both the development and operations at the Muswellbrook Landfill.”

“When we first started looking for a new compactor for the site some months ago, we undertook a detailed assessment of the available equipment options, which also including looking at a range of equipment in the field and speaking to a number of other landfill owners and operators,” he said.

“As far as we were concerned, when it came to meeting our specific requirements, we felt that Tana compactor was ‘head and shoulders’ above the pack, and were confident that it would be ideally suited to our needs. Perhaps most importantly, even after only a couple of days of operation, the results speak for themselves. There has already been a significant improvement in both the level of compaction that we’re achieving, and the quality and smoothness of the compacted surface and tipping face,” Alan Chick added.

Muswellbrook Shire’s new compactor, a Gx320, is the latest of Tana’s state-of-the-art ‘Gx Series’ compactors to be commissioned in Australia, and represents yet another chapter in Tana’s remarkable Australian success story. With an operating weight of 32,000kg, and delivering a crushing force of some 157kN, the Tana Gx320 is powered by a Cummins QSM11-C335 6-cylinder Turbocharged after-cooled diesel engine, capable of producing 260kW (348bhp) @ 2,000 rpm. The Gx320’s high-performance hydraulic drive system incorporates tandem arranged hydraulic pumps to feed the twin hydrostatic drives, thereby





eliminating the need for a splitter gearbox.

As with all Tana landfill compactors, the Gx320 Series utilises the patented Tana Roller Compaction (TRC) Method – which incorporates a non-oscillating frame and twin compaction drums with large crushing feet to provide full-width compaction of the waste, twice on each pass.

The Gx320 also features Tana’s state-of-the-art decentralised electronic Total Control System (TCS) which monitors and controls the diesel engine, the hydrostatic drive, the steering and the dozer hydraulic systems, as well as all auxiliary systems connected with the above.

The Total Control System consists of

three independent modules controlling different functions of the compactor. In addition, the diesel engine has its own control unit, which has been programmed as an integral part of the central control system of the machine. Each of the modules are interconnected via a CAN (Controller Area Network) bus which provides fast and trouble-resistant transfer of the data - all of which can be monitored by the operator via the in-cabin LCD display monitor.

What’s more, thanks to Tana’s new ‘Data Transfer Function’ operational data from the TCS system can also be downloaded via a USB drive for detailed analysis in the workshop.

In addition to its impressive performance, manoeuvrability and array of high tech features, Gx320 has also been designed with a focus on operator comfort and ease-of-use, with the cabin providing the ideal combination of comfort, ergonomic layout and outstanding all-round visibility.

“Not surprisingly, our operator Rick loves the new Tana. The controls are responsive, the cabin layout is comfortable and



spacious, and everything is within easy reach,” Alan Chick said.

“Importantly, the design and position of the operator cabin provides excellent all-round visibility, including a clear view in front of and behind the blade, which not only helps to maximise safety, it also allows the operator to see both the waste and the tipping face, which makes the job significantly easier,” Alan Chick concluded.

For further information, please contact Daniel Kastowsky, Sales and Service Manager, G.C.M. Enviro Pty Ltd, Ph: (02) 9457 9399, Fax: (02) 9457 9388, quoting “Waste Disposal and Water Management in Australia”



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