

mined. And much like diamond mining, a disproportionate amount of soil has to be moved to expose the

producers of the best quality and colour stones, naturally turn to our original equipment manufacturer of choice, Bell Equipment to assist

The Lufwanyama Pilala area southwest of Kitwe in Zambia is probably best known to those in the emerald mining industry because this is where some of the world's finest examples of this green gemstone are



"The Bell ADTs' power-to-weight ratio is very good and this translates into lowering our production cost per tonne, a crucial factor in any mining operation."

The mined overburden consists of a thin layer of topsoil, softs and quartz rock, of which the latter is spread onto haul roads for better traction in the rainy season. Current haul distances from mining areas to both the mining plant and the waste dumps do not exceed 2km.

According to Maksym Voronin, Grizzly Mining's Assistant Workshop Director, their Bell B40 ADT fleet returns average fuel figures of 23,1 litres per hour on the older D-series and 24,35 litres per hour on the newer E-series. "We don't mind the slightly higher consumption of the new Bell B40E ADTs as they definitely have more horsepower and it shows in faster production cycles. They also have 5% more payload," he says. "We're looking forward to the return of seven of our older B40D ADTs which we're sending to Bell Equipment in batches for refurbishing under the OEM's Reman Programme. Once they return, we're confident of getting at

least another 10 000 to 12 000 hours of production from them at a fraction of the cost of a new ADT."

Grizzly Mining's total Bell ADT fleet now numbers 20 B40 D- and E-series models, two Bell B30D ADTs and a water and diesel bowser, both mounted on B20D chassis respectively. A Bell 872G all-wheel drive Grader keeps the haul roads in good condition.

"You may well imagine that anywhere in Africa, reliable technical backup and parts availability is paramount to any sustainable mining operation and this has been a stand-out feature of our company's reciprocal loyalty with Bell Equipment over the years," Majed adds. "An added advantage has been the company's commitment to providing a sustained high level of service to us by placing a qualified mechanic on our site and he assists our machine operators with their daily checklists prior to starting a shift. Given the tough environment where we operate, we appreciate that any machine may suffer downtime but having Bell Equipment's backing gives us confidence to always look ahead."



Standing in front of an old Bell B20A ADT are (from left): Maksym Voronin (Assistant Workshop Director, Grizzly Mining), Danie Erasmus (Sales Representative, Bell Equipment), Mike Quin (MD, Bell Equipment Zambia) and Majed El Shaar (Operations Director, Grizzly Mining).