



accommodate the standard bucket cylinder of the Kobelco SK210LC-10 Excavator whilst still achieving the required heel range of motion, making aftermarket support of the complete product easier.

"Both static and dynamic (live) heels are in use globally, and whilst it would have been quicker and simpler to bolt or weld a static heel onto the dipper of the Kobelco SK210LC-10 Excavator, the live heel certainly provides a wider range of operating configurations for the tight space constraints Barend had to deal with."

Justin commends Maxwell
Quarmby, one of Bell
Equipment's young
design engineers,
who in consultation
with himself
produced
both the
design and

drawings for this innovative project and despite the challenges, took it in his stride.

"We now have a pretty smooth flowing felling, extraction and loading operation of pine thinnings in the forest thanks to these applied innovative ideas," Barend continues. "This came about as a result of higher tonnages as stipulated by harvesting contracts, and as always, we make every effort to comply and do it safely, as this is our livelihood."

J & B Timbers uses a Bell MT50FH Single-stem Feller Buncher head fitted to a Kobelco SK135SR Excavator to fell trees as the flexible boom quickly reaches into areas where a traditional felling machine can't always go. Again, this Feller Buncher head came about as an idea that Barend had brought forward after using the Fastfell and this particular model is the first one that the Forestry and Agriculture division of Bell Equipment had produced.

The same machine then places the felled trees in piles in the compartment from where a Bell Skogger extracts them to the road where the Kobelco SK210LC-10 Excavator, fitted with the live heel attachment, loads the full treelengths onto the stinger-steer trailers.

The average fuel burn on the Kobelco SK210LC-10 Excavator comes in at 10,8 litres an hour and that of the Kobelco SK135SR at 9,8 litres an hour of which both figures fit comfortably into the business plan.

On the processing deck, J & B Timbers deploys three Kobelco SK260LC-10 Excavators fitted with third party processing heads to strip the branches and bark and cross-cut the timber into predetermined lengths. Currently, the three Kobelco machines

produce 18 000 tons of timber a month and run an average of 18 hours in a 24-hour cycle.

"These Kobelco SK260LC-10 machines are phenomenal and seem to idle along while producing more than enough hydraulic flows to efficiently drive the processing heads at sustained mechanical availabilities," Barend says. "And their added benefit is that they do all this running on average at 8% cheaper than competitor machines in the same mass class."

"Kobelco have got this right by creating a simple machine with far less electronics," he adds. "Let it be said though that none of this sustained performance would be possible without the non-stop great service that we get from Charlie Boucher and his entire team at Bell Equipment in Matsapha."

Barend makes special mention of Bruce Larkan, Bell Equipment's Product Support Representative who happens to live near to J & B Timbers' operation and stops off every second day on his way home to check the condition of the various machines or to drop off service kits or essential consumables.

When asked about the company's replacement based on machine hours, Barend says: "Our policy would stipulate 20 000 hours, which is high but which we're confident of getting due to good design and build of especially the equipment we buy from Bell Equipment, and due to diligent and preventative maintenance which we see to ourselves, with Bell Equipment's support. Our next machine purchase will be another Kobelco SK260LC-10 Excavator fitted with a third party processing head to replace an older machine that has given us 14 000 hours of great service. The older machine will get its original bucket back and we'll take it to the farm where it will do maintenance earthworks."

Barend is adamant that machines from Bell Equipment provide the backbone of his timber harvesting, extraction and processing operations and this is evident in the number of such branded machines the company owns. The fleet includes no less than eight Bell Loggers, a Fastfell, three Skoggers, one Kobelco SK135SR, three SK210LC-10s and now four SK260LC-10 Excavators with a variety of heads.



From left: Mandla Nkosi Dlamini, Charlie Boucher (Customer Service Centre Manager: Bell Equipment Swaziland), Salpelo Dlamini, Barend Steenkamp (MD: J & B Timbers), Brian Sibandze, Edmund Bothma, Mcolisi Sibanyoni and Victor Kunene.