



Logosol Woodworker's Mill

Sawyer
Janne Engvall

Tailman
None

Log Scale
192

Sawing Time
1 hr. 57 min. 36 sec.

BF/HR
73

Net Yield
143

Percent Scale
74%

Percent Overrun
-26%

EVERY SAWMILL is designed to fit a particular need, and in most cases the audience was able to look at several different mills with similar capabilities and prices. One mill, however, stood apart from the others. The Logosol chain saw-powered “Woodworker’s Mill” may have been the slowest, but Janne Engvall’s performance still caught the attention of those spectators who were looking for a small mill to cut lumber for their own woodworking projects. As president of the U.S. division of Logosol, Janne said that was precisely why he decided to demonstrate the Woodworker’s Mill. “That is also the reason I chose to work alone, because that’s the way most woodworkers would use it.” Customer service representative Charlie Griffin was also on hand, but assisted only by checking the boards for thickness after Janne had cut them.

The Woodworker’s Mill consists of

an aluminum log deck and a rail for the chain saw. A special bracket bolted to the saw keeps it parallel to the rail. With the log clamped in place, Janne cranked the ratcheting winch on each end to set up the log for the first cut. A hand crank attached to the chain saw bracket allowed him to smoothly feed the Husqvarna XP385 (6.3-hp) saw through the log. The only modification to the saw itself was the 20-inch narrow kerf “pico” bar and a ripping chain. Other than that, the procedure of squaring the cant and sawing the boards was similar to that used by the other sawyers.

Because the Woodworker’s Mill can handle a maximum log length of 8 feet, Janne requested two 12-foot logs, which he cut in half. The logs themselves caused no problem, and Janne was glad to be able to sink his chain saw blade into clean, debarked logs. As with many other participants, making

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the calculations to cut the 1-1/8-inch board thickness caused some problems. "When we use the M7 mill, it is in inches. You need to count in your head to get it right. I'm used to counting by quarter inches." The result was seven boards that were cut either too thick or thin, and another three boards in which he started cuts, but backed the saw out when he realized that the thickness was off. Unfortunately, these could not be "pencil trimmed" back, because he was starting at the 6-foot minimum length. The result was a board foot loss of nearly 30%.

If the boards had been correctly cut, the little mill would have produced 185 board feet—enough yellow poplar to keep

most woodworkers happy for a long time! Janne kept his chain saw running for nearly the entire two hours allowed for the Shoot-Out—long after the other mills had shut down and moved out. The cutting rate of 95 board feet per hour (counting the miscut boards) pleased Janne. As he recalls, "When the Shoot-Out was done, before I stopped the chain saw, people came up and one fellow told me, "You know, I'm impressed with you, because when you used it, it looked so nice and smooth and easy." He continued, "That's the reason we participated with the Woodworker's Mill. For those people who were just interested in the sawmill."



And when he was finished talking with the audience, he did something no other Shoot-Out participant could do—he simply picked up the entire mill and carried it back to the Logosol booth on his shoulder. ■

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