Bob Hanson's strategy was to simply "go as fast as the machine would go." Unlike the previous day, in the rain on the operator's station of the Cord King CS20-40, Bob was quite comfortable, thanks to the CS20-40's enclosed cab. Typically seated behind a desk, instead of at the controls of one of the company's firewood processors, Bob credited the ease of use of the CS20-40 with things running as smoothly. The automated systems were a big part of that. Like the clamping on the CS18-30 that he operated the previous day, the clamping on the CS20-40 is automatic, and has a constant pressure clamping system. "The automatic clamping system has a log stop on it that can be adjusted to the desired firewood length," Bob said. He also explained that the automatic log stop can be hydraulically set from 8 to 26 inches in length, and that the firewood coming out of the machine will be within a quarter-inch of the desired length. "It's just the way it's engineered, it's very simple, but built very strong," he added. He noted that the speed of the operations on the machine is fast, with a splitter cycle time of just over 2 seconds, and a saw-to-saw time of 3 seconds. "It's faster than the operator is!"

When asked if he had any logs hanging up in the machine, Bob explained, "It was more operator error. There was only one log that hung up for just a few seconds." Despite the fact that the logs were larger and more crooked than on the previous day, he felt the machine handled them just fine because it's designed to be fed low-grade firewood logs. Bob said that processing crooked logs can challenge every processor on the market. The key is keeping the cutting angle as perpendicular to the log as possible and the Cord King does this extremely well. Because of that, the blocks can occasionally ride up in the splitter and not go through the wedge.

### Cord King CS20-40

- **Manufacturer**: Cord King of Canada
- **Address**: 2014 Rogers Rd.
- **City**: Perth, Ontario K7H 1P9
- **Phone**: 888/219-0663
- **Website**: www.cord-king.com
- **Machine Operator**: Bob Hanson
- **Assistant**: Dave Krawchuk
- **Time**: 13 min, 42 sec.
- **Cords Processed**: 1,75 Cords
- **Cords/Hour**: 7,66 Cords

### MACHINE SPECS

- **Model**: CS20-40
- **Engine**: 99-hp turbo diesel John Deere
- **Cutter**: Circle 48 in. Inserted tooth
- **Max log length**: 40 ft.
- **Max log diameter**: 20 in.
- **Max firewood length**: 24 in.
- **Adjustable wedge**: Yes
- **Splitting cycle time (rmp)**: 7.5 sec.
- **Splitting force**: 75 tons
- **Log loading**: 4-log live deck with hydraulic folding Towing plow
- **Electric brakes, lights, breakaway
- **Options used at Shoot-Out**: Operators cab, heat & AC, 32 ft. radial stacking off-loading conveyor, Grizzly debris separator, 6-way hyd. splitting wedge
- **Price of unit used at Shoot-Out**: $99,900