



SAW BLADE MASTER

Date/Time	Retired	Birthday	Make/Type	Plate	Kerf	Gullet	North/South
1:18:59			Sandvik	15G	3.5mm	Standard	South
1:15:19		23-12-2010	Sandvik	15G	3.5mm	Standard	South
1:52:26		23-12-2010	Sandvik	15G	3.5mm	Standard	South
1:15:25		13-12-2010	Sandvik	15G	3.5mm	Standard	South
1:16:00		14-12-2010	Sandvik	15G	3.5mm	Standard	South
1:19:17		29-12-2010	Sandvik	15G	3.5mm	Standard	South
1:18:34		23-12-2010	Sandvik	15G	3.5mm	Standard	South
1:50:39		23-12-2010	Sandvik	15G	3.5mm	Standard	South

Date/Time	Off	Performance	Alarms	Effect	Cause	Downtime?	Deflection
		SD					Min Max Avg
21	04/12/2010 13:49:49	0.0854	209				-2.31 0.83 -0.03
12	06/12/2010 17:30:36	0.0754	90				-0.71 0.89 -0.05
48	23/12/2010 11:28:08	0.0059	0				-0.12 0.1 0.00
29	23/12/2010 17:17:07	0.0063	0				-0.11 0.12 0.00
29	23/12/2010 20:11:31	0.0057	0				-0.11 0.09 0.00
42	23/12/2010 22:19:14	0.0076	0				-0.12 0.08 0.00
00	24/12/2010 07:57:43	0.0059	0				-0.09 0.07 0.00

Notes:
 1. Double click on a saw ID or row to retrieve more detail on the selected blade.
 2. Use the "CLOSE PANEL" button to go back to the blade list.
 3. Double click on one of the history entries to generate the deflection graph.

Cumberland Systems presents a new technology for the management of sawblades...

The Symmetry Band Saw Performance Management System has been designed to help saw operators manage and maintain the primary and secondary sawmill blades. This system will enable operators and saw doctors to better manage saw blades, and allow for detection of deviations in standard behaviour. Saw shop benefits include:

Personal feedback:

- Change benching techniques and observe sawing performance
- Reduce efforts workload
- Observe all saws history
- Saw change decision-making
- Monitor the saw run performance and decline
- Predict remaining performance left on saws
- Predict whether a saw will make it to the next scheduled break

Crack detection:

- Early warning alert to prevent breakage and the associated hazards
- Minimize crack elongation

Development testing and measuring:

- Gullet profile enhancement
- Kerf reduction
- Plate thickness reduction
- Steel and manufacturer
- View sawing performance after set-up/alignment changes

Monitor bandmill integrity:

- View sawing performance after equipment crash-ups
- View sawing performance relative to alignment and equipment wear