

Let The Good Times Roll

By Mike Sexton

Applications

Solution

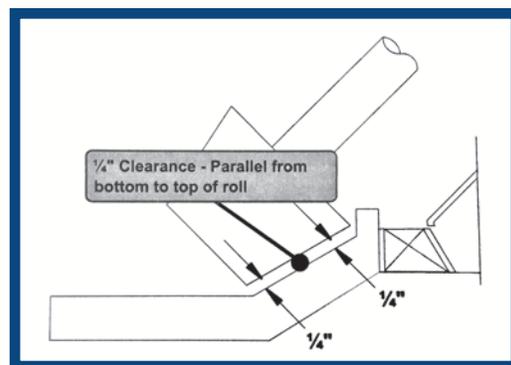
Innovative

We all enjoy having a good time at work. That's when everything is running smoothly, everybody is getting along with each other, and nobody gets hurt. However, shutdowns are not included on that list. Shutdowns are inevitable. It's the frequency of shutdowns that we like to spread out as much as possible. So between the shutdowns, "Let the good times roll!"

The worth of a mill roll is all about production rates. The longer a roll lasts and the more product it produces, the more cost effective and valuable that roll becomes. Therefore, the shutdown to replace said mill roll is delayed. Because "I really love replacing mill rolls" said no one...EVER!

Rebuilding a mill roll will cost about half of what buying a new one costs. But not all mill rolls are created equal. Every mill roll **Wear-Con** rebuilds uses the highest quality chrome carbide wire in the overlay process. Our detailed preparation sets the final product apart from all others. "It's all about the angle of the dangle." Our engineers painstakingly research to make sure that the slope of the bowl matches the pitch of the roll. These exacting standards ensure that several critical factors of consistency are achieved, which are the following:

1. Minimal calibration. Who wants to waste their time calibrating a mill roll that doesn't have the proper pitch to match the bowl slope?
2. Even wear of roll. No concaving of the surface towards the ends.
3. Longer life of the mill roll. No premature wear.
4. Even wear of bowl/table. No concaving of surface towards the far inside or far



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- outside.
5. Longer life of bowl/table. No premature wear.
6. Consistent material flow.
7. More material processed.
8. More uptime.
9. Fewer shutdowns.
10. Higher profit margins.

Below you will see a production maintenance chart from one of our customers that compares a competitors mill roll with **Wear-Concepts'** rebuilt mill roll. The bottom line shows that using Wear-Con's rebuilt mill rolls cost this customer between 43% to 57% less per ton!

Are you getting these kind of numbers? If not, give us a call and we can have a **Wear Specialist** assist you to get more out of your mill rolls. And then you can, "Let the good times roll!"

Coal Grinding Bowl Mill Report 2011 - 2016

Date	Supplier	Production Rate (Ston/h)	Production Hours	Time Between Repairs (hours)	Total Production (Short ton)	Average Production Rate (Ston/h)	Cost (US/\$ton)	Comments & Total Production in Short Tons
12/31/11			744.00					2011 total production 10,041 ston
11/28/2012	Brand X	10.10	3551.80	3552	38489	10.84	\$0.61	First roller change.
12/31/2012		9.70	3901.70					2012 30,744 (3,158 hrs). Annual average prod. ratio 9.70 ston/hr.
5/31/2013	Brand X	8.50	4849.50					First bull ring assembly change.
12/31/2013		8.90	6957.70					2013 27,294 (3,056 hrs). Annual average prod. ratio 8.90 ston/hr.
4/9/2014	Brand X	9.00	7740.70	4189	36728	8.77	\$0.67	Second change of roller.
8/12/2014	Brand X	9.60	9818.70					Install grizzly to separate big rocks of coal mill.
9/16/2014	Brand X	9.80	10427.70					First change of insulation & cover plates assembly
12/31/2014		10.13	11976.70					2014 50,837 (5,019 hrs). Annual average prod. ratio 10.13 ston/hr
3/8/2015	Wear-Con	9.50	12329.70	4589	47057	10.25	\$0.51	Third change of rollers.
1/4/2016	Wear-Con	10.00	16803.40	4473.70	4536.60	10.25	\$0.29	Fourth change of roller, table plates, insulation, & floor plates.



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