

Huge Reduction in Run-Out Bearing Failures

METALS (USA)

CONTINUOUS CASTER

Castrol Molub-Alloy® 860/460-2 ES

ANNUAL SAVINGS: \$206,596

THE SITUATION

A large steel producer was experiencing very frequent bearing failures on their run-out table bearings at their facility located in the Southeast.

Multiple bearings had to be changed every week during down days, leading to high costs and use of precious labor resources.

BEFORE

- Conventional grease in use
- Eight (8) run-out roll failures per week
- Two (2) bearings per roll totalling 800 bearing failures per year

AFTER

- Castrol Molub-Alloy 860 high performance steel mill grease in use
- Two (2) run-out roll failures per month
- Total of 46 bearing failures per year

THE SOLUTION

- Castrol quickly identified that the high failure rate on the run-out table did not have to be tolerated.
- The conventional grease in use was not designed for the harsh environment, so Molub-Alloy 860 steel mill grease was recommended.
- Castrol's experience with this grease in numerous mills suggested that it could greatly improve the situation.
- Castrol worked with the customer to test the grease and determine the optimum greasing frequency and amount.



• **Over 90% reduction in bearing failures!**

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RECOMMENDATIONS

Even in the harsh conditions of a steel mill, bearings can have long life with the proper lubricant and lubrication techniques. Castrol has decades of experience in steel mills and has the tools to help achieve maximum equipment life.

Run-Out Table Bearing Costs

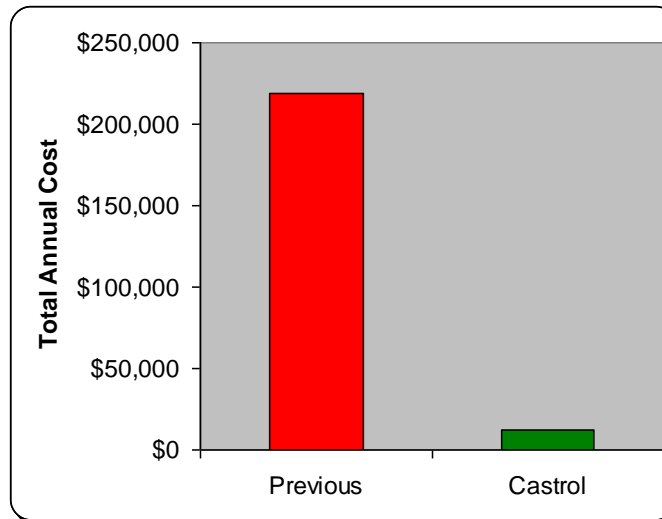
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|-----------------------|-------|
| Bearing Cost: | \$206 |
| Labor Cost: | \$68 |
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| Total Per Brg Change: | \$274 |

*800 failures per year
reduced to 46*

CONCLUSION

With the use of the proper heavy duty grease on the run-out table, the customer was able to dramatically reduce failures and cost while freeing up valuable maintenance resources.

The result was a 94% reduction in bearing failures and a savings of \$206,596!



OTHER POTENTIAL APPLICATIONS

Castrol Molub-Alloy 860 ES grease was designed specifically for the challenging conditions of a steel mill. It provides long equipment life and overall low maintenance costs.