

# BUILDING PRODUCTS BEARINGS

Castrol Braycote® 2115-2\*

**TOTAL SAVINGS: \$67,700**



## THE SITUATION

A major producer of fiber cement buildings materials had been experiencing problems with lubrication of autoclave car wheel bronze bushings for several years. Despite devoting very significant amounts of labor and frequent parts replacement, most of the bushings were completely worn out after eight weeks in service as shown in the included pictures. Bushing failures were caused by extremely difficult working conditions such as high temperature & steam pressure and by improper grease in service.

## BEFORE CASTROL

- Re-lube frequency: weekly
- Bushings replaced: 1152/year
- Lubricant cost – \$13,320
- Annual labor cost - \$27,232
- Annual bushing cost - \$80,640

## AFTER CASTROL

- Re-lube frequency: 8 weeks
- Bushings replaced: 192/year
- Lubricant cost – \$36,062
- Annual labor cost - \$4,117
- Annual bushing cost - \$13,306

## THE SOLUTION

- Castrol Braycote 2115-2 High Temperature Grease is designed to be very thermally and chemically stable in high temperature applications.
- Not only does this extend the useful life of the lubricant, but it greatly extends the relubrication frequency (by 8 times in this case).
- After introduction of Castrol Braycote 2115-2, annual bushing replacements were reduced by 83%!
- In addition, labor costs were also significantly reduced by 85%.

Customer was looking for significant reduction of total maintenance cost of autoclave car wheel bronze bushings.

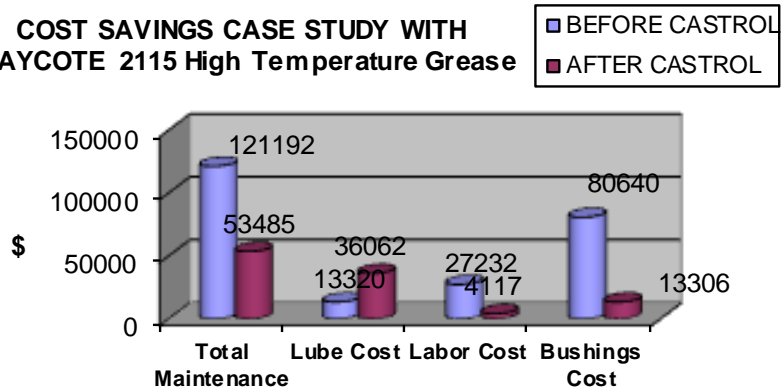
Braycote 2115-2 high temp grease has delivered the desired benefits.

## RECOMMENDATIONS

Castrol Braycote 2115-2 grease matches the rugged service requirements associated with mills and plants producing engineered woods, primary metals, castings, cement, glass and paper.

Castrol Braycote 2115-2 is a premium PTFE thickened grease with fully synthetic base oil. The optimized base-oil viscosity works synergistically with a package of additives assuring increased load carrying capacity, anti-wear protection, corrosion inhibition, water resistance, shear stability, and oxidation stability.

**COST SAVINGS CASE STUDY WITH BRAYCOTE 2115 High Temperature Grease**



## CONCLUSION

Castrol Braycote 2115-2 improved the lubrication of these high temperature bushings, thus greatly reducing the failure rate and labor resources required.

**Overall, bushing maintenance costs were reduced by 55%!**



Bushing condition  
Previous Grease  
8 weeks service



Bushing condition  
Braycote 2115-2  
9 weeks service



## OTHER POTENTIAL APPLICATIONS

Other potential application may include but not limited to the following equipment:

- Conveyors and bearings near hot ingots, soaking pits and reheat furnaces.
- Pit cover carriages, mill stand screws, slipper couplings, roll bearings, manipulators and guide rolls for continuous casters.