



Valmond Hachey
Supervisor Mobile
Maintenance Planning

My name is Valmond Hachey and I'm a heavy equipment mechanic by trade. I have worked most of my career in the mining industry as a Lead Mechanic, Forman, planner, and supervisor Mobile Maintenance planning.

I will like to share an experience that became very rewarding to us in cost control and savings in equipment wear. In the mid-2000s, working as planner and working close to the group of engineers, we were studying the many points on cost control on mining equipment and we discovered 880 Crown & Chassis grease from Texas Refinery Corp. In mining we need to invest money to make money

We were a underground mine that produced 10,00 t.p.d. to the mill so the equipment needed to work hard and had to perform efficiently to be there. So what did 880 Crown & Chassis grease help us to do? Gain many hours on the big expense of wear parts on equipment.

Our main equipment for production was Atlas Copco ST-8B Scoop tram powered by series 60 Detroit engine 325/375 horsepower (I call them the working horse). With mining equipment there are 5 points that need attention in regards to grease; articulation (mid/ship), bucket bushing, oscillating, steering bushing bearing, and boom bushings. Before 880 Crown & Chassis grease was put in place in our mine, we were experiencing a lot of wear and down time.... I will give you some example of hours on some points so you will see the difference on hours.

In the bucket bushing we were averaging 1000 to 1200 hours max.. With 880 Crown & Chassis we were able to go to 3600 hours so with the help of engineering a six point project was developed to build a bucket for 3600 hour and this become another success (pair work on pair)

On the articulation (mid /ship) the average hours before was 4500 hours with 880 Crown & Chassis grease we double and triple our hours.

We were in a program to refurbish (rebuilt) scoopsin between 10,000 to 12,000 hours and most of them we did not touch, so cost control was very good (down time) plus parts savings .In regards to the oscillating the thrush washer and bushing our goal was 8,000 hour and we did it all the time

With steering cylinder bearing bushings we doubled the time frame between replacements and on the boom bushings we only lost some by accident

We used 880 Crown & Chassis on all other types of equipment and found all kinds of wear and cost cutting savings. .



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On the frame chassis of our Mt436b mine truck; we refurbish them at 15,000 hours same (mid/ship) with a gain on dump cylinder pins, and bushing box pins.. On some smaller equipment such as boom trucks (jut 41&43) we also saw some gain specifically on the boom truck (071 boom and 650 hi hab) on the swing gears.

In our mine there were over 100 big pieces of equipment so when you are able to reduce the down time and extent the hours on parts to its maximum normal wear, the budget shows the differences. Our maintenances were scheduled at 250 operating hours - + 50, oil and filter (p1) repair (safety hasor) grease system was test on all point and 1000 hours operating , all filter and oil was replaced. We were using Lincoln grease system 3 liter.

So as you see the 880 Crown & Chassis grease helped me in my career and my co/workers as a step that we could take to make our company a success.

One point that you need to be aware of on 880 Crown & Chassis grease is that grease is a very high quality and is very sticky. When you need to do major work, take the time to wash your equipment very good so you stay on the same page of good quality work. (SAFETY TIP)

Texas Refinery Corp. works with us as a team!

Thank You,

Valmond Hachey

Xstrata Zinc Canada

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Quality = Success= Savings in Money