

**ROCKY MOUNTAIN MASTER MECHANICS ASSOCIATION  
PLANT EQUIPMENT  
MEETING NOTICE**

Location: Holiday Inn

Rapid City SD

**Reservations:** 605-348-4000

A block of rooms has been reserved for May 6<sup>th</sup> & 7<sup>th</sup> with the RMMMA group to receive these rates.

**Date:** May 7<sup>th</sup> 8<sup>TH</sup> 2015

**Wed. Meet & Greet Refreshments  
Thursday: Break & Refreshments  
Thursday Lunch -  
Friday Breaks & Refreshments  
Lanyards  
Wine at Banquet**

**Sponsored by: Holiday Inn  
Sponsored by: HE Parts Mining  
Sponsored by: Komatsu Equipment  
Sponsored by: Richwood Inc.  
Sponsored by: All State Fire  
Sponsored by: Butler Machinery**

**Thursday Dec. 7th**

**6:00am - 7:45am Registration. Dues are \$40.00 per member**

**7:45am – 8:15am Introduction of members and business session of meeting.**

**Next meetings – December 3<sup>rd</sup> & 4<sup>th</sup> 2015**

**May 5<sup>th</sup> & 6<sup>th</sup> 2016**

**8:15am- 8:30am Break**

**8:30am – 10:00am Joint meeting with the plant/**

**Bob Blaylock – Hand Safety**

**Eyes on Hands**

**Safety in motion .com**

**10:00am – 10:15 am Break, Plant Breaks Out**

**10:15am – 10:45am Safety Talk and Open discussion**

**Safety Share – Power Washing and washed of feet and had a water injection**

**Introductions**

**MSHA –**

Mislabeled on electrical disconnect

Looking for dust in the electrical cabinets

Under scrutiny about using the building for ground

Labeling of a container

Grounding portable welders when in use

Ladder rating weight limits

Training documentation

Escape plans

**Plant issues**

Speeding up the belts

Vibration analysis outsourcing – EMS

Ultrasonic greasing

Laser alignment – Roto-align, Mag-align

Silo inspection some are using Interstate – Don Botkin, will set it up

Otis Elevator service for standard elevators not rack and pinion.

Interstate for general painting

10:45am - 11:00 Break

**11:00am –12:00pm** **Matt Solomon Schaeffler Group USA Split bearings**  
[www.schaeffler.us](http://www.schaeffler.us)  
**Michael Wernke** [Michael.Wernke@schaeffler.com](mailto:Michael.Wernke@schaeffler.com)  
**Cell: 385-285-228-0266**

USA Split bearings  
Spherical Roller Bearings  
Designed to replace the taper lock assembly  
X-life product is just heavy duty

Q – Will these bearing work on the fixed or float side?

A – Yes just use your stab ring.

Q – What sizes do these come in?

A – 222E from 2 3/16 to 8” 230 E & 231 E from 4 3/16 to 16”

Q – What is the life expectancy in comparison to a regular bearing?

A – About 10% loss of bearing life and about and are engineered to run slower.

Q – What about greasing?

A – You will use the same type of grease you are using now

Q – What makes your bearing better than your competitors?

A – Our bearing can drop into any ones housing not needing a special housing, ease of application and assembly and our bearings are mostly made in the USA.

Q – Who has your split bearing?

A – Motion stocks up to 12” and interstate can get them but do not stock any.

Q – Are they more expensive?

A – Yes they are. The savings is in the loss of downtime.

Q – Is there a speed limitation?

A – Yes they will work for conveyor bearings and need to replace and taper adapter bearing.

12:00pm - 1:00pm Lunch

**1:00pm – 2:00 pm** **3M Mining Conveyor belt repair** [www.3M.com/Mining/us](http://www.3M.com/Mining/us)  
**Matt Ruggiero** [mruggiero@mmm.com](mailto:mruggiero@mmm.com)  
**PH: 651-737-2158**  
**Stephanie Hoff-Walters** [stephanie.walters@mmm.com](mailto:stephanie.walters@mmm.com)  
**PH: 719-661-6684 Cell: 719-661-6684**

**3M Conveyor belt repair**  
**Urethane Elastomer 80XRG 539 belt repair**  
**Scotchkote – epoxy Ceramic HD Surfacer HG 519**

Q – What do you have to do for the prep?

A – Abrade the belt, whip clean, duct tape the bottom of the belt, prime

Q – Does everything you need come in a kit?

A – Yes it all comes in a kit.

Q – What is the application temp?

A – Belt needs to be at 40 to 90 degrees.

Q – Will this work on a gouge, burn spot will you need to feather out?

A – Not really just feather the patch.

Q – Does it work in a hole in a chute?

A – We have another product for that it would be a ceramic epoxy.

Q – What is the temperature limitation?

A – 180 degrees.

Q – What is the smallest diameter pulley will this run around without peeling off?

A – Not sure.

Q – How big is the kit and how much is it?

A – 4 cans per kit and it is \$400.00

2:005pm – 2:15 pm Break

**2:15pm – 3:15pm**      **Ben Hawk - WY. Chromalok Advance Thermal Heat trace**  
**Ph: 303-519-5015**  
**Todd Jasmin - SD.**  
**Ph: 612-916-6282**  
**Peter Buck - ND.**  
**Ph: 763-370-4875**  
**Tele-conference call**    **Larry Kapalin Regional Manager Ph: 815.355.5863**  
E-mail [Larry.Kapalin@chromalox.com](mailto:Larry.Kapalin@chromalox.com)

**Insulation Types**

**Types of heat tracing cable**

**Controls**

**Digital Thermostat**

**Multi-loop HT Panel**

**Single/Duel HT Controller**

**Engineering Services**

**3:15pm**                      **Adjourn**

**6:00pm**                      **Social Hour**

**7:00pm**                      **Dinner**

**Please take the time to thank the Suppliers group, as they have provided our social hour, dinner.**

**Friday, May, 8<sup>th</sup> 2015**

**8:00am - 9:00am**            **Steve Jones/ Chis Best with National Belt to present on belt scanning.**  
**Larry McMichael – Phoenix Conveyors**  
**Ph: 330-814-9261 [larry.mcmichael@phoenix-cbs.com](mailto:larry.mcmichael@phoenix-cbs.com)**  
**Anthony Martinez Phoenix Conveyors**  
**Ph: 720-633-3864 [Anthony.martinez@phoenix-cbs.us](mailto:Anthony.martinez@phoenix-cbs.us)**  
**Steve Mckenna – Veyance Technologies**  
**Ph: 307-682-7855 Cell: 435-299-2710**  
**[steven.mckenna@veyance.com](mailto:steven.mckenna@veyance.com)**

**Phoenix belt monitoring systems**

Belt monitoring products

Sensor guard - fabric

Cord guard (magnetic) – steel cord

Cord guard XD (magnetic) – steel cord

Portable cord guard – steel cord

    Belt rip monitoring

    Splice monitoring

    Cord integrity

Cord guard systems will work on fabric belts for rip monitoring if the belt is set up for it.

Cover wear thickness measurement service

Q – What is the cost

A – Will bid accordantly - cover scan around \$3500.00 and cord scan around \$8000.00

**9:00am - 9:15am**            **Break**

**9:15am -10:00am**            **NSK TOUGH STEEL: solution to premature bearing failure**  
**Zoonie McLean – NSK Corporation – [www.us.nsk.com](http://www.us.nsk.com)**  
**Ph: 800-675-1932 Cell: 406-633-1932 [McLeanZ@nsk-corp.com](mailto:McLeanZ@nsk-corp.com)**

NSK Tough Steel technology  
Contamination Damage  
    Fatigue & Inclusions  
    Inclusions and Spalling  
    Steel cleanliness  
Tough Steel increases life by reducing flaking  
Distribute through Motion & Applied.  
We will offer onsite training.

10:00am - 10:15am            Break

**10:15am - 11:00am**            **Richard Shields Martin Eng. improved belt cleaners/trainers**  
**Greg Bierie – Martin – [www.martin-eng.com](http://www.martin-eng.com)**  
**Ph: 800-544-2947 or 309-865-2384 [gregb@martin-eng.com](mailto:gregb@martin-eng.com)**  
**Don Botkin – Interstate [www.istate.com](http://www.istate.com)**  
**Ph: 307-682-8596 Cell: 307-680-1349 [don.botkin@istate.com](mailto:don.botkin@istate.com)**

**Innovative Conveyor Technologies**  
**Belt conveyor Problems**  
Loading zone improvements (Clean Zone)  
Modular loading Zones  
Modular chute design  
Control load placement  
Problems with linings  
Modular stilling zone  
Safe to service belt cleaner  
Air cleaner Module  
**Trouble with transfer points**  
Transition area  
Picking idler shortening transition  
**Carbide Primary belt cleaner**  
Cleanscrape primary cleaner  
Q – How wide belts will this work on?  
A – Up to 96 inch belts.

11:00am                            Adjourn

**Remember** to have your notes ready for the “open meeting” sessions. Too many people have problems that can be addressed, but don’t recall them at the meetings.

Please RSVP if you plan to attend. E-mail to [tony.geffre@cldpk.com](mailto:tony.geffre@cldpk.com)

Tony Geffre 307-685-4586 cell Phone 307-660-1871