

**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 Dec. 4<sup>th</sup> 5<sup>th</sup> & 6<sup>th</sup>. Please advise that you are with the RMMMA group to receive these rates.

**Date:** Dec 5<sup>th</sup> 6<sup>th</sup> 2013

**Thursday: Break & Refreshments**

Thursday Lunch -

Friday Breaks & Refreshments

Lanyards

Wine@ Banquet

**Sponsored by H-E Crown**

Sponsored by Rocky Mountain Break

Sponsored by Richwood INC

Sponsored By Brake Supply

Sponsored By Butler Machinery

**Thursday Dec. 5th**

**6:00am - 7:45am**

**Registration. Dues are \$40.00 per member**

**7:45am – 8:15am**

**Introduction of members and business session of meeting.**

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

**Break**

**8:30am – 9:30am**

**Joint meeting with the plant**

**Mobil Spencer Fluid Power**

**Rob Gordon**

**ph:307.682.5858**

**e-mail: [rgordon@spencerfluidpower.com](mailto:rgordon@spencerfluidpower.com)**

**Lincoln Grease**

**Grease filter out in a few months**

**Controler wash down kit – part number 545-34361-6**

**Eaton Pro FX**

**CAN key pad**

**Displays**

**Controlers**

**Valves**

**Eaton Ram Advanced - Jerk control through control programming**

**OEM Data delivery**

**Bulk Tank**

**9:30am – 9:45 am**

**Break, Plant Breaks Out**

**9:45am – 10:45am**

**Safety Talk and Open discussion**

**Belt Scales – B-squared Scales - Bruce Bowersox - ph: 307.686.6436**

**Contractors training to use your equipment?**

**Train and have documentation, some sites train one lead person and they train the crew.**

**Some mines don't allow the contractors' to run our equipment.**

**Rely on the contractor to do their training.**

**MSHA – checked 5023's that were filled out by someone other than the trainer.**

**Check MSHA site for most recent mining rules. ([msha.gov](http://msha.gov))**

**They came around and checked all of the ladders, some bought single man lifts**

**Annual inspections for ladders to take out of service if needed.**

**Jesse Taylor - Batavia Services – ph: 801.694.3926**

**In-house guys do a quarterly inspection.**

Is anyone using ice dams on your roofs?

Bar style and pads

Berm off and don't let anyone in the area.

Lube issues in the plant

Using barrels and going to totes

Using totes with an angle bottom

Went to the Lincoln lube systems

Any upgrading?

Not in this economy

Vibration analysis.

Shock pulse monitoring to create history

Vibration analysis to create preventive maintenance

Remote and handheld

Remotely triggering alarms for over whatever it is programmed to

BNSF

Profiling and coal on rails

Topper systems – MCRL

What do you do with over spray set it away from the load out.

Pull testing cables for man lifts.

Tool safety

Inspections – warn tools, mushroomed tools

Soft blow hammers do they work or not? Yes they do

Do you use all thread for a strong back? Tools has to be engineered

Use a tapered collet

Line of fire

SKF alignment tools

Working good

Future subjects?

10:45am - 11:00

Break

11:00am –12:00pm

**CCC Group Inc.**

Ingo Wiedenhues

Ph: 303.516.4910

e-mail: [iwiedenhues@cccgroupinc.com](mailto:iwiedenhues@cccgroupinc.com)

Chute design and engineering

Rotating diverter chute system

Able to split material in more than 2 directions

Replacing flop gates with bucket gates

Q – What is the liner made of?

A – Chromium carbide

Chute size got tighter (from 60 inch chutes to 30 inch), no more dust and a lot quieter.

Q – Does anything sticks to the liner?

A – No, material just flows

Q – What caused the reduction in noise?

A – Consolidation of the material in the chute that reduces tumbling of material.

12:00pm - 1:00pm

Lunch

1:00pm – 1:45 pm

**Industrial supply tool**

**Snap-on**

Jeff Hallgrimson

Ph: 971.533.3749

e-mail: [jeff.w.hallgrimson@snapon.com](mailto:jeff.w.hallgrimson@snapon.com)

Using your tools safely on the job.

Rushing – end of the day, deadlines

Fatigue – not enough sleep, working extended periods with no rest

Frustration – personal issues, tough application, unskilled on task at hand

**Complacency – confusion experience with safety, I've done this a hundred times**

**Hand tool injuries**

**Modification**

**Improper Maintenance**

**Misuse**

1:45pm – 2:00 pm            Break

**2:00pm – 3:00pm            Dan Knust SLS West Lubrication**

**Ph: 307.682.0555**

**e-mail: [dknust@slswestlube.com](mailto:dknust@slswestlube.com)**

**Jason Dalley – Perma**

**Ph: 704.377.3100**

**e-mail: [jdalley@permausa.com](mailto:jdalley@permausa.com)**

**Eric Button - Perma**

**Ph: 704.377.3100**

**e-mail: [ebutton@permausa.com](mailto:ebutton@permausa.com)**

**Single point automatic lubricators**

**Electrochemical**

**Pros – cost**

**Cons – pressure lag, gas permeation**

**Q – Are they moving away from electrochemical lubricators?**

**A – Some are and some are not.**

**Electromechanical**

**Pros – no pressure lag or gas permeation**

**Cons – cost, not class 1 div 1**

**Q – How are they for water ingress?**

**A – They have an IP rating of 65, they do fine in a wash down situations.**

**Q – Can you re-fill the single point lubricators?**

**A – No**

**Q – If the mechanical is set for 24 months will the battery last?**

**A – No you will have to change the batteries pending on the environment.**

3:00pm - 3:15pm Break

**3:15pm - 4:00pm            Interstate Power**

**Sparks Concrete**

**Mark Erickson**

**e-mail: [sparksconcretelifting@yahoo.com](mailto:sparksconcretelifting@yahoo.com)**

**Website: [www.sparksconcretelifting.com](http://www.sparksconcretelifting.com)**

**Mud jacking – leveling flatwork**

**Compaction grouting**

**Q – How long does it take between lifts?**

**A – Not long at all, few minutes between lifts**

**Q – What kind of grout do you use?**

**A – They go with a slump rating the higher the slump the more weight you can push.**

**Q – When you are pushing in the grout will it harm other things like a sewer line when the ground compacts?**

**A – It could, that's why we need to know what is down under the ground.**

**Q – What holds the pipe when your pumping grout?**

**A – Friction.**

**Resistance and helical piers**

4:00pm                            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, Dec, 6<sup>th</sup> 2013

8:00am - 9:00am

### **Richwood belt scrapers and wear liners**

Website: [www.richwood.com](http://www.richwood.com)

Ph: 800.237.6951

304.525.5436

Jeremiah Hinds

Cell: 304.696.9481

e-mail: [jhinds@richwood.com](mailto:jhinds@richwood.com)

Blaine Stoll

Cell: 304.638.0136

e-mail: [blaine@richwood.com](mailto:blaine@richwood.com)

#### **Wear liners**

Rock Flex – rubber liner up to 6”

Rock Plate – Ceramic / Rubber wear liner

Q – Cost comparison of the AR plate to ceramic?

A – The ceramic is more costly but the wear is so much better that the cost is comparable.

Q – How does the bolts hold on the

A - There is a 3/16 plate that we put a bolt

Q - What kind of head does this stand up to

A - 200 degrees or below you will be all right

Q - Do you glue in hex plate

A - No we roll the plate

Q - The rubber liner wax is in the surface?

A - The wax is throughout the rubber

Q - If the rubber is so good why do you put ceramic?

A - Rubber works good at 90 degree if it is a glancing blow so we add ceramic

Q - Does the brick come in all standard sizes?

A - No custom sizes

Q - What is the lead time?

A - Original set up is about 4 to 6 weeks after that 2 week lead time

9:00am - 9:15am

Break

9:15am -10:00am

### **Wyoming Rigging & Industrial Supply, LLC**

Ph: 307.358.3117

Mike Kayser (owner)

Ph: 307.359.1631

e-mail: [mike@wyomingrigging.com](mailto:mike@wyomingrigging.com)

Brad Coffey (sales)

Ph: 307.359.0058

e-mail: [brad@wyomingrigging.com](mailto:brad@wyomingrigging.com)

#### **Slings and Rigging safety**

Q – Do you find issues with rigging when you do your inspections for a customer?

A – Yes that is when we find most of your issues.

Q – What does MSHA look for with rigging?

A – MSHA One broken wire in one lay OSHA is Three, legible tags.

Q – Who makes the Kevlar rope, Dynabraid?

A – Sampson, Plasma rope, Philly strand.

Q – When you put the bed liner on the rope do you have to do it with tension?

A – A little bit, just as a cover to keep dust out.

10:00am -10:15am

Break

10:15am -11:00am

**Interstate Power**  
**Continental Contitech**

Casey Price

Ph: 515.491.9141

e-mail: [cprice@contitech-us.com](mailto:cprice@contitech-us.com)

**Conveyor Belting Basics**

**Nomenclature - PIW**

**Components**

**Characteristics and properties**

**Nylon – High strength**

**High elasticity**

**Moisture absorption**

**High cut and abrasion resistance**

**Low tem resistance**

**Mildew resistance**

**Steel - High strength**

**High modulus – very low elongation**

**High flame resistance**

**High impact resistance**

**High temperature resistance**

**Glass - Low strength not used as tensile member**

**High temperature resistance**

**Primarily used as a barrier**

**Types of stretch**

**Mechanical (permanent): elongation that is not recoverable**

**Elastic: Elongation that is dependent upon the imposed tension.**

**Tensile Strength / Working Strength = Safety Factor**

**Reversing Conveyors**

**Auto stable**

**Belt splices**

**Mechanical**

**Clips**

**Vulcanized**

**Stepped bias splice**

**Finger splice**

**Steel cord belt splice**

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