

ROCKY MOUNTAIN MASTER MECHANICS ASSOCIATION PLANT EQUIPMENT MEETING NOTICE

Location: Rapid City Holiday Inn
Rapid City SD
Phone – 605-348-4000
Rates are \$74.00 / \$104
A block of rooms has been reserved for November 28th&29th 2012. Please advise that you are with the RMMMA group to receive these rates.

Date: November 28th&29th 2012

Next meeting : April 25th & 26th

Thursday: **Break & Refreshments**

Thursday Lunch:

Friday Break refreshments:

Lanyards

Hose Power.

Komatsu Equipment

Martin Engineering

Brake Supply

Thursday, November 29th 2012

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 – 10:00am

Joint meeting with the plant / Fatigue Management with Elizabeth Zacharias Health/Wellness Specialist with Cloud Peak Energy Resources LLC.

E-mail: elizabeth.zacharias@cldpk.com

10:00am – 10:15am

Break, PLANT Breaks Out

10:15am – 11:00am

Safety talk and Open discussion

Safety share (slips trips and falls this time of year)

Belt trainers

Went to PPI and seems to be working well. Contact Chris Hall

Belt cleaners – some are using Martin and some are changing to Richwood Contact - Jeremiah Hines

Idlers – testing composite idlers seem to be working well at this time.

MSHA – Fire Extinguishers, Tow Boards, Electrical, Rigging.

Engineers for projects – CEI or DCI, Gillette and Sheridan. F.L.

Schmidt – Salt Lake City. CCC Group worked well.

Pull testing chain and cables – Wyoming Rigging, Write Wyoming, Bishop lifting, Rock Springs Wyoming.

Electronic Maintenance programs – Ellipse are being used and are a maintenance management system, SAP (Bigfoot) is also being used and is more of a data management system.

Belt splicers – National Belt, Interstate, Fenner Dunlop, Applied out of Billings.

Belts – Contitech - Casey Price is the contact

Plant operating systems – Rockwell Software

Rail work Contractors – Balfour Beatty,

Next meeting – Conveyor information. Conveyor Maintenance, conveyor tech. Magnets Erinz, tank and silo sales and service,

11:00am – 11:15am

Break

11:15am – 12:00pm Brake Supply. Marland Clutch & Formsprag Holdbacks
Brake Supply – Tim Brown tbrown@brake.com 307.233.6120
Michael Travis mike.travis@marland.com 586.834.9550
Ken Lenzmeyer ken.lenzmeyer@altramotion.com 303.913.2056

Low Speed, internal, high speed.

Sprag technology and Ramp and Roller technology

Non EP grease or oil for lubrication, Mobile DTE recommended.

Q – Do you recommend to get rid of ATF as a lubricant?

A – Yes Recommend Mobile DTE

Q – Have you seen one lock on the shaft?

A – Yes pending on the wash down practices May have to use silicon to help the seal.

Q – Is using EP grease on the lab seal a real problem?

A – Only if you blow the grease past the lip seal.

Q – What is the typical rebuild time?

A – Normally 1 – 4 weeks

12:00pm - 1:00pm Lunch

1:00pm – 1:45pm Interstate - Pepco product for plants
John Beierle john.beierle@istate.com 307.682.8596
Chris Meyer cmeyer@pebco.com 270.442.1996

Chutes, Flop gates, Bucket Diverter, two way rolling blade diverter, Dustless
Loading spouts and accessories, telescopic chute, Mass flow feeders, converging
Chutes, Collection Boxes.

Loading Systems, Batch systems and volumetric system.

Q – What does LDT stand for?

A – Linear digital transducer.

1:45pm – 2:00pm Break

2:00pm – 2:45pm Voith/Turbo New Fluid Coupling
Jack Grega jackgrega@voith.com 614.271.4043
R.O. (Dick) Bailey rbailey@coneticresources.com 303.988.7933

Hydrodynamics, New Fluid Coupling (Turbobelt 780 TPXL), Drive packages,
Constant fill and Variable fill control.

Q – Why only 1000 rpm is 1750 available

A – Tested in Germany, but designed to 2600 rpm but will be a fixed control at this level

Q – Since you're not putting a load on the motor does this increase motor starts/hr?

A – That would be up to the motor manufacture the coupler would not have an issue

Q – What would a fixed control system with a smaller coupler under load

A – Works good with only a 3% loss of torque.

Q – With the variable fill can use it as a creep drive

A – Comes with them

Q – Can you use them in a descending belt?

A – It will work on a descending conveyors but if you have more load then horsepower the
belt will run away and will need a brake if you lose power.

Q – Why use a fluid coupling over a VFD

A – Mechanical, easier to work on, more reliable, re-useable.

Q – How does this compare with VFD?

A – We can offer a more reliable system that is easier to work on then a VFD

Q – How does the constant fill keep stress off of the motor?

A – Constant fill uses a delay chamber to allow your motor to come up to speed before it
creates a load.

Q – How does the Variable fill compensate for the torque on a full belt?

A – The couple will remember the level of oil it left off of.

2:45pm – 3:00pm Break

3:00pm - 4:00pm Otis Elevators
Ryan Haught ryan.haught@otis.com 406.438.1166

Code requirements required by MSHA and State.

Q – Do you work on both types of elevators?

A – Yes

Q – Do you use alamac?

A – We use us-hoist.

4:00 pm 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, November 30th, 2012

8:00am - 9:00am Browning Electric - Auto Wash Valves and Systems
Tony Browning tbrowning@becwy.com 307.689.5163
Brandon Lambert blambert@becwy.com 307.299.3996
www.becwy.com

Rockwell Software, topper systems, side release systems, PLC control design
plant equipment electrical troubleshooting and maintenance, auto wash, vantage
point, Senix distant measurement for tank or silo levels. PTLX Led lights, Remote
control technology, stamler feeder breaker upgrade.

9:00am - 9:15am Break

9:15am -10:00am Interstate Benetech Dust Solutions for plants
Pete Zinecker zineckerp@benetechusa.com 630.605.6402
www.benetechusa.com

Dust solutions,
Total dust management, Dust collectors, transfer Systems, Washdown systems,
Containment, Engineered chutework, Chemical Dust suppression, Operational
Solutions, Head boxes, Diverter gates, Belt cleaners, Skirting, Tailseals, Inspection
doors, impact beds, Simple slide idlers, P2 assessment

10.00am -10:15am Break

10:15am -11:00am Fenner Dunlop Flender Drives, Gear boxes
R.O. (Dick) Bailey rbailey@coneticresoures.com 303.988.7933
Ken Sweitzer ken.sweitzer@fennerdumlop.com

Flender Drives and gearboxes
Industrial Drive, Industrial Gear units Couplings, High speed gear units, Service
with Joy global, Rail car drives, Mechanical Drives,

Q – Have you seen an increase in planetary gearboxes in the coal industry?

A – Yes due to better tolerances.

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, so it can be effective to write down your problems, questions, etc in the time prior to attending these meetings ...