

ROCKY MOUNTAIN MASTER MECHANICS ASSOCIATION

Plant MEETING NOTICE

Location: Holiday Inn/ Rapid City SD

Reservations: 605-348-4000

A block of rooms has been reserved for Dec 3rd and 4th 2014, please advise that you are with the RMMMA group to receive special rates

Date: December 3rd, 4th, 5th 2014

Wed. Meet & Greet Refreshments	Sponsored by: Holiday Inn
Thursday: Break & Refreshments	Sponsored by: HE Parts International
Thursday Lunch -	Sponsored by: SLS West, Inc.
Friday Breaks & Refreshments	Sponsored by: Oil Analysis Lab
Lanyards	Sponsored by: Komatsu Equipment Co.
Wine at Banquet	Sponsored by: Komatsu Equipment Co.

Wednesday Dec. 3rd

5:30pm - 7:00 pm Meet and Greet Reception with Supplier Tables / Refreshments

Thursday, Dec 4th

6:00am - 7:45 am	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	3M Hear Force - Hearing Conservation Ken Hartman
9:30am - 9:45am	Joint meeting; All Attendees including Suppliers Break, Plant Breaks Out
9:45am - 10:45am	Safety Talk and Open discussion

Safety Share – Christmas season – Proper placement of ladders for setting up lights.
MSHA – showing up at periodic times at certain mines
Log books
Welding leads are being extensively inspected.
Rigging has to be the current color of the month. Only if it is a company policy.
Electric cords and their color of the month.
Wheel chucks again if it is company policy.

Mine issues:

- Pickups rolling away due to not be in park, braked, or chucked.
- Bungee broke and hit employee.
- Does anyone have any problems maintaining fluid levels on backstops?
Taken care of during monthly pm.
- Using what time of breather desiccant or paper.
Most use desiccant.
- Use rubber disk under backstop arm to check if back stop is working in dual backstop application.
- What about auto lube application for backstops.
Some use a squirt every couple of hours some use single point lubricators
Tony is setting up a presentation for May for a company that patches belt damage.
- Electric Motors –
Class 1 div 2
Pecker head seal and still maintain explosion proof.
Install and program the methane detectors to shut down the electric so now you can seal the pecker head from water.

10:45am – 11:00am Break

11:00am - 12:00pm Jack Grega - Voith turbo belt software/SVTL coupling control
E-mail jack.grega@voith.com Ph: 614.271.4043



Voith Drive Products for Mining (Check YouTube – Jack Grega to see most of the animations)

Fluid Couplings

PLC's Programmable Logic System

Safeset Torque Limiting Coupling

CT Coupling (compression technology)

ACIDA Temporary and Permanent Drive System Monitoring.

Fluid coupling Rebuilding

Turbo SIM Modeling Capabilities

Drive Packages

Q – What about the valves do you have any problems with them

A – They are a German brand very robust but you'll want to have a critical spare

Q – What is the pressure in the system?

A – Low around 5 lbs.

Q – What about cold weather startup

A – The oil is heated all the time with sump heater and insulation and heat trace on lines and we have not had any problems keeping the oil warm.

Q – Can the trending be reprogrammed to what we want?

A – It can be easily adjusted at the HMI interface.

12:00pm – 1:00pm Lunch

1:00pm – 1:45pm Interstate Bob Twiddy Timken on the Blue brute bearing line
E-mail bob.twiddv@timken.com Ph: 720.482.6642 Cell: 720.480.4205



Blue Brute Bearings

Cast steel (4 times the strength as cast iron)

Can be set up in fixed or float

Numerous numbers of seals (Nitrile, Teflon, Vitron, Urethane)

Different locking styles (Eccentric, Setscrew, Adapter mount)

Couplings

Q – How big are the bearings?

A – 5 inch normal and blue brute 7 inch.

Q – Will they take a auto lube system

A – The Teflon is a non-purge able seal the unit has a purge valve.

Q – How large are the couplings

A – 11 ¾ shaft size

Q – Can you get them in a splined application?

A – Yes you can.

Q – How much misalignment will they accommodate?

A – 2 degree for smaller 1 degree with bigger .008 on radial.

1:45pm – 2:00pm Break

2:00pm – 3:00pm

Brett Baldwin Philadelphia gear

E-mail b.baldwin@philagear.com Cell: 719.233.5605



Maintenance of hydro viscous couplings

Types (fixed filled and Variable fill)

Synchrotorque

Mark VII Controller

Pros and Cons

Installation for both fixed and Variable

Start up

Inspection

Q – What do you recommend for sampling?

A – Pending on the application yearly. Check filters.

3:00pm— 3:15pm Break

3:15pm - 4:15pm

Tim Brown brake supply

E-mail tbrown@brake.com Ph: 307.233.6120 Cell: 307.262.0069



Fixed cushion welded style cylinders new clevis to rod locking device to lock clevis to cylinder

Welded style vs. Ty-rod style

Adjustable cushion

Design flexibility

Clevis/Rod Lock

Temposonic probes L Series (Mounted on the side)

Temposonic probes G Series (Mount from the end)

Q – Is this a throwaway cylinder?

A – We can rebuild them a few times.

Q – How heavy are the cylinders?

A – They are a lighter compared to Parker

Q – When you are talking lighter weight are they lasting the same amount of time?

A – No the strength is the same.

4:15pm

Adjourn

6:00pm

Social Hour

7:00pm

Dinner/ Entertainment “Dueling Pianos”

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

Friday, Dec 5th

8:00am - 9:00am

Millennium Bulk Terminals- Permitting a Coal Terminal in the Green Zone
Joint meeting: All attendees including Suppliers

9:00am - 9:15am

Break

9:15am - 10:15am

Jeremiah Hinds – Richwood

E-mail jhinds@richwood.com Ph: 304.525.5436 Cell: 307.696.9481



Belt support/load zone
Bulk Conveyor Loading Zones
Belt support
Abrasion Protection

Q – Do you have to remove all of your AR to run canoe liners?

A – Yes, the first time you use these you have to remove but after that it is just re-adjusting and going.

Q – Can the coal flow land or flow over the bolt pattern?

A – If the coal flow is in the bolt pattern we’ll have to go to studded package

Q – What is the adjustment?

A – Right around a 1/8 inch

Q – Do you have to have the ceramic in the canoe liners?

A – No you can use our rubber.

Q – What is the life difference between ceramic and regulator?

A – In one instance from 3-4 weeks of plate to 2 years with ceramic.

10:15am - 10:30am

Break

10:30am - 11:30am

Yvette Land - Dust control technologies

E-mail yaland89@gmail.com Ph: 800.990.1405 Cell: 307.299.6329



Freeze Tolerant ball valves
Rhino Hyde weld-able products
Polyurethane spray in liners
Dust control systems (IE. Foggers)

Steel Plate as good as clad but it can weld on it and you get ½ (Wellington Alloys)

Q – What about the lines

A – Put a T in the line and add a frost plug

Q – How does it compare to tri-braze

A – It is harder than tri-braze.

Q – How big are the sheets of the weld in Rhino Hyde?

A – 58 x 72 inches

11:30am - 12:00pm Wrap up, Ideas for upcoming meeting presenters

12:00 Noon - Adjourn

Remember to have your notes ready for the “Open Discussion” sessions. It is easy to forget the issues and problems that can be addressed at the meetings.

Please RSVP if you plan to attend. E-mail: Tony Geffre at tony.geffre@cldpk.com or call (307) 685-4586 or (307) 660-1871 cell