

WESTERN REGION OF UNDERGROUND MASTER MECHANICS

**July 13, 2006,
Winnemucca Convention Center,
Winnemucca, Nevada**

Minutes of Meeting

7:30 A.M.

Brent Sadoris

Introduction and review past meeting minutes, including old business.

No minutes or old business.

8:00 A.M.

Best practice sharing.

“Best practice”, is simply an opportunity for everyone to share with the group any area of maintenance that they feel is working well for their respective companies.

Newmont: Brent Sadoris

Bringing Nevada to do things one way, costs tracking, vendor base, and SOP's to reduce vendor, and contactor base, and increase leverage for buying parts and materials.

Heckla: Doug Robert - Hollister Pit A developing mine.

Instituted a mechanic prerelease check list attached to each W/O filled out at completion of each job.

Cashman: James Matthews;

Fuel Cleanliness leads to injector life of engines. Change filters, remove water, and foreign particles also increases life.

Barrick: Al Gonzalez

Annual maintenance planning with parts lists included. Specializing training of mechanics.

Barrick: Allen Sayre

Training of both operators and maintenance mechanics by vendors (CAT, DUX, etc) to achieve ownership and care by everyone. Zone Mining Concept and changes in maintenance to respond to concept. Globalization of computer system to achieve company standardization. Standardization of jobs. Efforts to reduce parts issues.

Freeport Indonesia: Adam Scott

Standardization of planning procedures and jobs; goal -KPI 85% planned work – 300 pieces of equipment with 22 planners. Parts issues – standardizing to one common equipment (CAT), salt water in fuel issues, requiring new filtration systems, personnel resources needed, recruiting 150-200 individuals a year.

Cummins: Mark Zimmer

Related engine rebuild facilities current requirements are so high they are using 3 different locations to do rebuilds.

Engine and manufacturing centers improvement requires them now budgeting 15% extra for unplanned rebuilds.

Mentioned an unexpected safety issue. While charging a battery outside on a light vehicle, a rainstorm came up resulting in the extension cord plug to the charger being immersed in water creating an electrical hazard.

Midas: Jim Kestle

Explained their Field inspection to identify work required during PM. Parts ordered prior to PM for repairs to be accomplished. Operator notes also looked at and incorporated in repairs.

9:15 AM

Vendor Video Presentation of Underground Equipment

Marcotte Mining Machinery – Randy Kammarcal

Discs and catalogues provided on their equipment.

10:15 AM

Vendor presentation of product.

Easy Cool (DURA COOL) (New A/C Refrigerant) – joint presentation with the surface group.

Hydrocarbon product, 1/3 more efficient than current products offered by anyone. EPA will not currently allow in new equipment but can be used as replacement. Low side pressure 31-38 lbs over 100 on high side. Mixes with all current products, efficiency reduces compressor heat as much as 50 degrees. Provided sample cans.

11:00 AM

Vendor Presentation

Biofuel – Haycock Petroleum – joint presentation with the surface group.

Specs set by ASTM D_6751

From 100% soy oil, provides higher Cetane, lubricity, reduces emissions, toxicity, blends easily but can be run neat, meets ultra low diesel standards. Problems include tank algae growth. Cold flow at -11 deg. Savings occur at \$2.20 gal and up.

1:00 PM

Freeport Indonesia Mining Overview – Adam Scott

Video Presentation of Mine Operations. (Hearing this presentation was extremely difficult.) Presentation was a general tour of their mine.

2:15 PM

Vendor Presentation

Northern Nevada Equipment – DCL Filters Dave Germaine

Canadian Company offering muffler replacement at level customer desires with part on shelf, and emissions control solutions.

Mine X Scotfilter BM Level 3 replaces muffler, mounts as close to engine as possible, horizontal installation, can be blanketed (offered). Had indicator lights for maintenance. Should avoid idling equipment, requires 80% of load 30% of time or more, and not efficient on equipment under 150HP.

Brent Saddoris

Group voted to have next meeting in Elko, Nevada sometime in November - possibly 8th or 9th.