

## RMMMA NOTES—DECEMBER 2013

- SAFETY SHARE:VEHICLES AND DRIVING—OLDER VEHICLES VS NEWER VEHICLES AND THE STRUCTURE DIFFERENCE FOR SAFETY HAS BEEN IMPROVED
- TRACK PRESS AND OTHER PULLING TOOLS-SEEING PULLER BOLTS BRAKING AND FINDING FOREIGN MADE BOLTS OF LOW QUALITY
- ANTI TRUST STATEMENT: financial account transactions, Scholarships awarded(5@\$1000 each
- Spencer Fluid Power
  - Lincoln auto Lube grease pump filter-wash-down procedures, add protective cover for pump controller
  - Electro Hydraulics-Problem solving technical assistance available
  - Eaton Pro FX-Electric Controls for hydraulic systems-pumps & valves-plant shoot/gate cylinders. Controllers-programmed for individual needs
  - Fuel island monitor control systems- OEM Delivery Systems for bulk tank and fuel truck delivery in the Pits.
  - Joy Stick controllers available for all needs
- OPEN TALK
  - Safety work platforms- Personnel Tie off systems & Handrails
    - We will get pictures from different properties and put a presentation on at the next RMMMA Conference
    - Cat 797/793-Engine Vibrations are seen at several properties @ 16-1800rpm's
    - 785-Balancing engine fans
    - 793-Frame cracks @50,000 hrs
      - Front wheel seal failures
    - 795F-Seeing Final Drive failures at low hrs
    - 3516 engine-low rebuild life issues
    - 3306-early camshaft failures
    - Cat 24M/16M many ongoing issues and how Cat dealers respond
  - Cat Presentation
    - D11R-retrofit power train to C32 A-cert engine and what we are seeing for results-3gal less per hr. fuel burn
    - D11R/777 trucks repower to Tier II engine-C32 & cooling systems& software
      - Gains-lower fuel burn estimated @ 10%
      - Raises power
      - Air to air coolers
      - Cat certified rebuilds gains/losses(CCRU)
      - Green Funding Available(Government Dollars)
      - 3 week lead time for the CCRU @ WY Machinery
      - Estimated costs for the CCRU

- Lube/service truck issues-Low Availability
  - Frame issues
  - Electrical harness issues
  - Poor repair parts support
  - Reliability
    - Vibration Monitoring on mobile equipment
      - M.T.S. Systems-Maintenance Technology Systems-Milt Olsen-Some properties utilizing this system
      - Engine oil filters coming loose & studs loosening up.
        - Tool available through Custom Parts Inc. Gillette WY
  - Dakota Fluid Power
    - Donaldson Filters
    - Fuel cleanliness
      - Contaminates-water-glycerin-rust inhibitors-dirt
      - Recommend clean fuel to 12/9/4 to extend engine life
      - Use pre filter
      - Make sure of the cleanliness of the “delivered” fuel
  - Fatigue Management
    - Families living/working with shift workers
    - Understanding sleep cycles
    - Equipment utilizing “eye movement monitor”
    - GUARDVANT SYSTEM(seeing eye monitor)
      - Reaction steps:
        - 1<sup>st</sup>-alarm contact operator
        - 2<sup>nd</sup>-alarm contact operator & supervisor for a visit
        - 3<sup>rd</sup>-alarm remove operator from equipment
  - L&H equipment
    - Presented all Products and service capabilities
      - Projects completed/ongoing in USA & other countries