

All American Coach Company, Sylvania

Intervention Key Words: Lift Truck, Mobile Lifting System

Industry: Service, Retail, Other: Sales

Risk Factor(s): Awkward Posture- Back deviations, High Hand Force- Pinching/Gripping, Manual Handling- Lifting/Carrying, Repetitive motion

Situation:

All American Coach Company is a sales, retail parts and service center for recreational vehicles. They also provide a rental unit operation and storage facility. High Cumulative Trauma Disorder (CTD) risks occur throughout many areas of the operation but are especially prevalent in the service center. Here risk factors include:

- High Force - many heavy objects are lifted, moved, and installed in awkward areas
- Repetitive Motion - employees are working under recreational vehicles in tight and awkward spaces. Most of the motion and pressure effects the hand, wrist, and shoulder areas.
- Fine Manipulation - parts are small and areas that need installation are tight.
- Awkward Postures - Bending, twisting, and moving required in tight spaces.
- Heavy Lifting - Continuous lifting of cases of antifreeze, oil drums, transmission fluid, and parts.

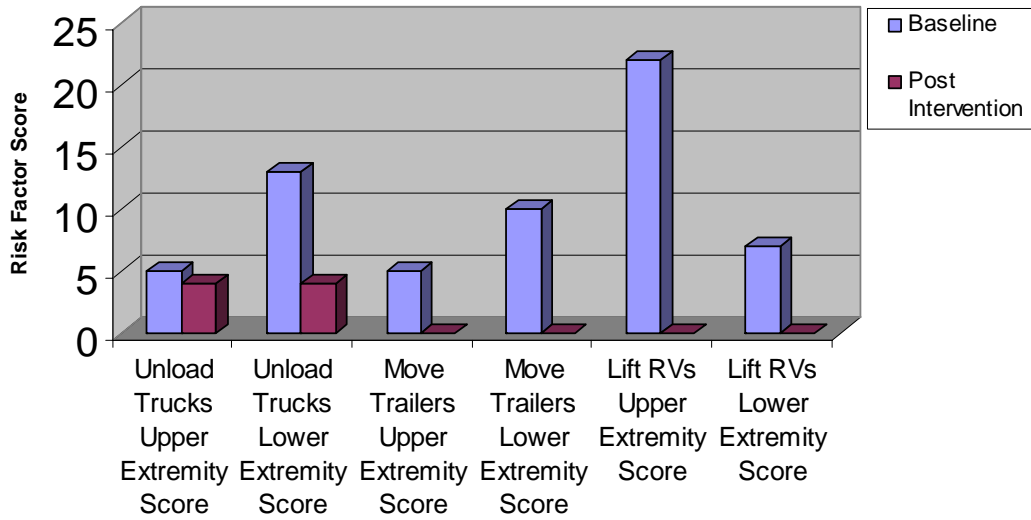
Solution:

All American Coach Company purchased Caterpillar Lift Truck and a Koni Mobile Lifting System to address their CTD issues. This equipment eliminates crawling under vehicles to properly install jack stands, repetition of jacking up the vehicles, gives more room to work, and reduces the amount of lifting in addition to creating a safer, more efficient work environment. The total cost for the intervention was \$52,650. All American Coach received \$39,971 in assistance from SafetyGrant\$ to offset their costs.





Results:



- CTD Risk Factor scores, averaged over 3 tasks, decreased 87% following the intervention.
- Lost Days rate (standardized per 200,000 hours worked) was at 0 the year prior to the intervention and remained at that level for 2 years following. Restricted Days rate decreased from 200 to 91.6 over the same time period, a 54% improvement.
- Increases in CTD rate and Employee Turnover rate were observed but may not be directly attributed to the intervention.