

Average 10.4% Tire Life Increase Reported by Immersive Technologies' Mining Customers

20 November 2013

Tires represent a significant expense in a mining operation and are a powerful area for cost containment. Maximizing tire life increases machine availability and proactively addresses issues like global tire shortages. Immersive Technologies has worked with major OEMs and mining operations around the globe to deliver a mean 10.4% increase in mining truck tire life using Advanced Equipment Simulator based operator training programs.

Amongst many examples, a North American based mining operation worked with Immersive Technologies to develop a continuous improvement training program aimed at increasing tire life using simulation based training. Results were demonstrated over a five month period using tire hours and tire replacements due to damage as the metrics of interest. The training initiative resulted in a 27% reduction in tire replacements due to damage as compared to the same time period in the previous year. Globally, Immersive Technologies continuous improvement projects focused on tire life have resulted in increases in tire life hours ranging from 3.3% to 14%.

"Our Advanced Equipment Simulators are the only fully supported solution of their kind in the mining industry. Scheduled system upgrades are part of our service agreements. The development of these upgrades is driven by evolving mining industry needs, using input provided by customers and equipment manufacturers. This ensures that our customers are able to continually achieve quantifiable improvement in their mining operations in areas such as tire costs, fuel costs, unscheduled maintenance costs, spotting times, new operator training times and so on." said Karen Joseph, Product Portfolio Manager at Immersive Technologies.

The simulation based training gives equipment operators the skills and knowledge they need to operate in a productive manner while assessing and eliminating behaviors that cause unnecessary tire wear. Properly trained operators extend tire life without impacting productivity.



Through simulation operators are trained to identify and correct errors such as brake misuse to optimize tire life.



Immersive Technologies' simulation based training solutions provide an assessment tool for managers to determine which tire wear related operator behaviors are most prevalent in their mining operation and represent the greatest opportunities for cost reduction.

SimControl, the software powering all Immersive Technologies Advanced Equipment Simulators performs detailed monitoring of operator behaviors which directly impact tire wear including operation around spillage, dry steering, aggressive cornering and speeding.

“Our simulation based training solutions provide an assessment tool for managers to determine which tire wear related operator behaviors are most prevalent in their mining operation and represent the greatest opportunities for cost reduction,” said Joseph.

“As a company we strive to provide solutions to the mining industry and results like these further our mission to make every mining and earthmoving equipment operator safer and their employer more profitable,” said Peter Salfinger, CEO of Immersive Technologies.

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About Immersive Technologies

Immersive Technologies is the world’s largest, proven and tested supplier of surface and underground Advanced Equipment Simulators to the global mining industry. The company has achieved this unique position by focusing on its mission to make every mining and earthmoving equipment operator in the world safer and their employer more profitable through its simulation technologies. Immersive Technologies’ Advanced Equipment Simulators are helping hundreds of mining companies around the world to increase their equipment operators’ safety and site profitability through effective simulation training.

Immersive Technologies provides its customers with the most effective Advanced Equipment Simulators available. This is made possible through the formal exclusive licensing and technical information alliances Immersive has established with the leading Original Equipment Manufacturers (OEM), including: Caterpillar, Hitachi, Komatsu and Liebherr. These unique alliances provide Immersive Technologies with exclusive access to the OEM’s proprietary and confidential machine technical information that is required to correctly simulate the OEM’s machines and is not available through other public or dealer channels.

With advanced simulators modules deployed in 35 countries, Immersive Technologies is dedicated to provide outstanding service. To deliver on this commitment the company has customer sales and support offices located close to its customers in Perth and Brisbane Australia, Salt Lake City USA, Calgary, Ottawa & Vancouver Canada, Monterrey Mexico, Lima Peru, Santiago Chile, Bochum Germany, Johannesburg South Africa, Jakarta Indonesia, Kolkata India and Riyadh, Saudi Arabia.

Immersive has the global mining experience, innovative technology, product range, OEM relationships, proven support commitment and industry vision to partner with you to ensure your simulator training solution delivers the significant results you expect.

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