Conversion Kit® for Sandvik LH410, LH517, LH621 Loaders

Increase operational safety and productivity while reducing your maintenance spend

Immersive Technologies’ Conversion Kit development for the Sandvik LH410/LH517/LH621 Loaders provides the ultimate in training realism for mines focused on increasing operator safety, improving productivity and reducing levels of unscheduled maintenance.

The Conversion Kit replicates key elements of the cabin of the Sandvik LH410/LH517/LH621 Loaders, with functional controls and instrumentation.

Original Equipment Manufacturer and industry endorsed Sandvik operating procedures are tightly integrated with an extensive learning system within the Advanced Equipment Simulators. This system has been repeatedly demonstrated via evidence collected from within mining operations to provide rapid, correct and effective learning and assessment.

With mining equipment becoming increasingly technically sophisticated, the level of information, experience and organizational competencies required to accurately simulate these machines also increases. Through Immersive Technologies’ industry experience, you can be assured your training solution will be the only accurate and true representation of the real machine available.
Expect Results

UL194 Conversion Kit for Sandvik LH410, LH517, LH621 Loaders

- High fidelity cabin designed with the novice and experienced operator in mind.
- Accurate and realistic ore-moving operation with thoughtful integration of safety and productivity training components.
- Perfect for recruitment process and operator personalized learning.

Vehicle display screen

Complete replicated controls

Pivoting steering lever

Boom and bucket controls

High fidelity vehicle controls

Radio Module

Conversion Kit: UL194
Released: May 2017

NB: Seat & Base not included.
Innovative Simulator Training Software

Immersive Technologies' SimControl software includes a range of specific Sandvik LH410, LH517 and LH621 operator errors for recording and measuring incorrect operator behaviours. In addition, the SimControl software includes Sandvik LH410, LH517 and LH621 events which allow a trainer to initiate machine faults or incidents in order to train and assess operators in responding appropriately. This combination of errors and events provide a mechanism to ensure operators are working at maximum efficiency while minimizing equipment damage. It also ensures operators are able to avoid or respond correctly to hazards and potentially life threatening scenarios.

Operator training events include:
- Engine Fire
- Service Brake Failure
- Electrical System Malfunction
- Low Oil Pressure

Operator errors and events include a focus on the following areas:
- Hazard Avoidance
- Brake Testing Procedures
- Operator Productivity
- Minimizing Unscheduled Maintenance
- Tire Preservation
- Site Safety Procedures

Startup / Shutdown Procedures
Safe Operating Procedures
Expect Results
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Transforming data to information
SimMetrics™ is a powerful reporting system that helps you review, measure and visualize your simulation data. With an intuitive click-and-drag user interface, you don’t need to be a programmer to quickly generate detailed reports on the results of your training.

Training Systems Integration
Immersive Technologies offers on-site and customized consultation programs to assist mines to rapidly integrate their simulator technology, implement training program best practices and achieve maximum return on investment. Immersive Technologies application specialists work closely with you to develop a customized Sandvik loader training curriculum, including the development of detailed performance based benchmarks and reporting systems tailored to your site’s specific objectives.

Support where and when you need it
Our customers receive a range of comprehensive support services:
- 24-hour phone support
- Rapid emergency visits
- Scheduled on-site service
- Regular maintenance support
- Hardware and software upgrades
- Extended parts warranty
- Best practice training and community networking

Managed Services
Outsource a portion or all of your operator training program and gain access to specialist support across a broad range of capabilities. Managed Services staff are embedded within Immersive’s global support network and have direct access to exclusive intellectual property for mine operator training. Whether you are a small or large operation the solution can be scaled, giving you access to a world class support for a fraction of hiring, training and managing these teams on your own.