

UL304

Conversion Kit® for Cat® R2900 XE Underground Loader (LHD)



Ask to see Immersive Technologies' extensive catalog of quantified business improvements, solving problems in areas such as safety, productivity, reactive maintenance and the availability of skilled equipment operators.



REAL RESULTS MEAN IMPROVEMENTS*

SAFETY

- ↑ 67% Correct Emergency Response
- ↓ 60% Traffic Incidents



UNSCHEDULED MAINTENANCE

- ↓ 58% Brake Abuse
- ↓ 63% Engine Overspeed



COST SAVINGS

- ↓ 49% Training Hours on Equipment
- ↑ 24% Tire Life



PRODUCTIVITY

- ↓ 19% Spot Time
- ↑ 13% Payloads



* All results are average in-field improvements, documented and verified by external parties.

Immersive Technologies' UL304 Conversion Kit provides the ultimate in training realism for mines focused on increasing operator safety, improving productivity and reducing levels of unscheduled maintenance. The Conversion Kit includes a complete replica cab of the Cat® R2900 XE Underground Loader (LHD) with fully functional controls and instrumentation.

As mining equipment becomes more advanced, the expertise and data required to accurately simulate these machines increases. Immersive Technologies combines deep industry experience with proven capability to deliver training solutions that set the benchmark for accuracy. The result is a true-to-life simulation that reflects real machine performance, giving operators the most reliable and effective training environment available.



CAT® R2900 XE



Simulated
CAT® R2900 XE

UL304 Conversion Kit® for Cat® R2900 XE Underground Loader (LHD)



Purpose-built to replicate the R2900 XE and backed by decades of Conversion Kit engineering experience.

Simulates key machine systems and operator functions, including Virtual Gears, Roll Back Inhibitor and Downhill Speed Control.

Realistic machine cab and dynamics accelerates operator readiness for diesel-electric equipment.



CONVERSION KIT FEATURES



WorksiteVR™ Quest



eLearning



Pre-Start Inspection



Controls



Mine Standards Training

DIGITAL LEARNING ADD-ONS

Innovative Simulator Training Software

Immersive Technologies' SimControl software includes a range of specific Cat® R2900 XE Underground Loader (LHD) operator errors for recording and measuring incorrect operator behaviors. In addition, SimControl allows a trainer to initiate machine faults or incidents in order to train and assess operators in responding appropriately.

Training opportunities include:

- Hazard Avoidance
- Operator Productivity
- Gear Management
- Tire Preservation
- Engine Management
- Site Safety Procedures
- Minimizing Unscheduled Maintenance



Industry Leading Mining Simulators

As the world's largest supplier of mining equipment simulators, Immersive Technologies has deployed solutions in 57 countries and works closely with mining operations and equipment manufacturers to solve real industry problems in areas of safety, productivity, reactive maintenance and the availability of skilled personnel. Immersive Technologies is the only equipment simulator supplier with a consistent and proven track record of delivering significant and measurable in-field improvements.

This experience, together with ongoing feedback from our mining customer base and Original Equipment Manufacturer alliance partners, has provided Immersive Technologies with the knowledge necessary to develop the industry standard in Advanced Equipment Simulators. Our solutions incorporate the industry's most advanced training functionality ensuring your operators are safer and your site is more profitable.

