



Improve task productivity
across the quarry haul fleet



LOADRITE H2250 Haul Truck Monitor

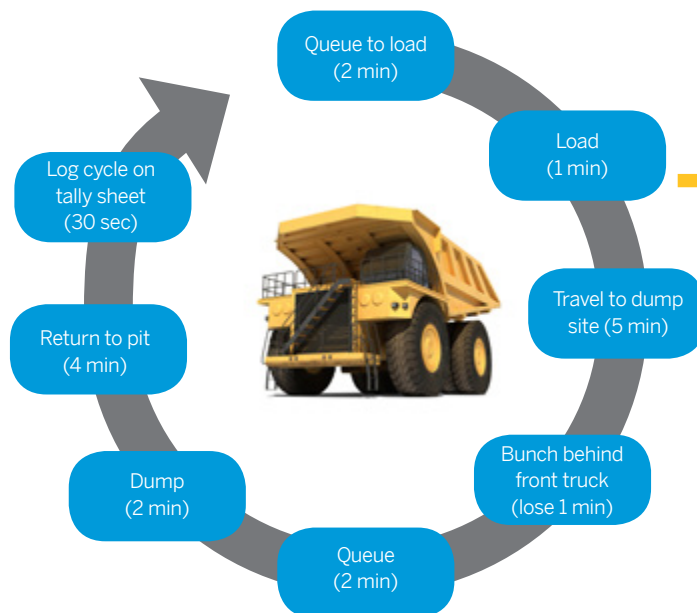
Optimize Your Haul Cycle Workflow

Counting and recording haul truck cycles is a tedious and error-prone exercise that few operators enjoy. Fleet managers also welcome any steps that remove workload from haul truck operators to allow them to focus on safe and productive material movement. For data-entry operators, the interpretation and alignment of paper-based tally sheets can be a complex and frustrating activity, so the arrival of the new LOADRITE H2250 haul truck monitor from Trimble, signals a welcome relief from these issues

H2250 Benefits:

- ▶ Accurate visibility of haul operations
- ▶ Optimized payload on every truck
- ▶ Lower and more consistent cycle times
- ▶ Unscheduled downtime reduced
- ▶ Cycles matched to primary crusher demand
- ▶ Lower idle times
- ▶ Lower cost per tonne
- ▶ Improved overall production

TYPICAL HAUL TRUCK CYCLE



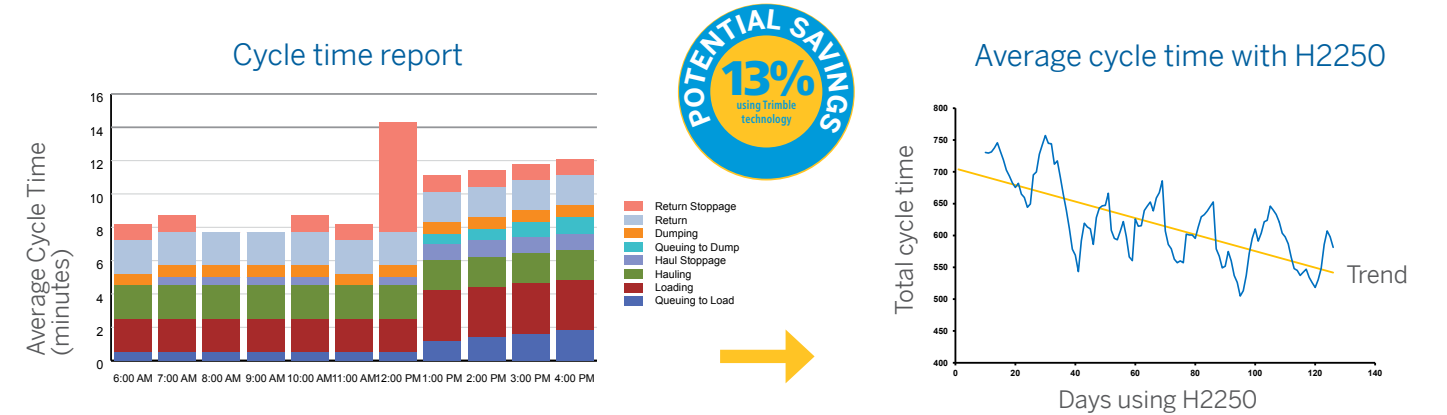
OPTIMIZED WITH H2250



Typical haul truck cycles include many inefficient tasks and delays

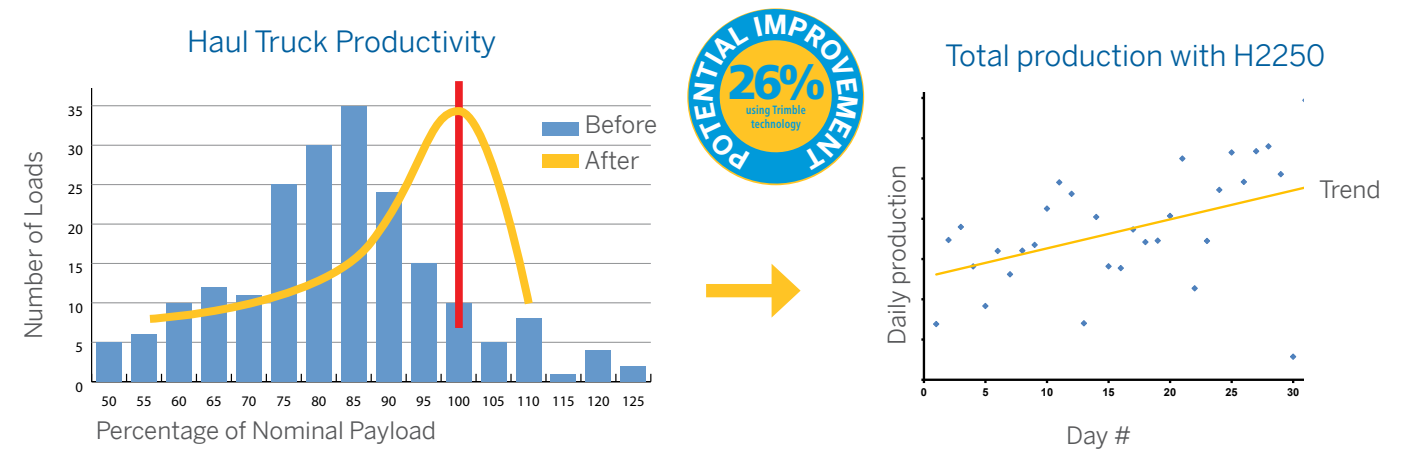
INCREASED PRODUCTIVITY

H2250 provides accurate haul totals removing the need for tally sheets and production estimates. Reports help to highlight inefficient material movements.



SHORTER CYCLE TIME

Cycle time reports show haul truck activity, loading time, haul time, and queuing time help fleet managers understand availability, and make improvements during the shift.



THE H2250 HELPS PREVENT THE FOLLOWING ISSUES

- ▶ Unplanned down-time
- ▶ Under / over-loading
- ▶ Queuing
- ▶ Slow / inconsistent cycle time
- ▶ Tip over warning
- ▶ Excessive tire wear

Say Goodbye to Tally Sheets

SAY GOODBYE TO TALLY SHEETS

The Trimble LOADRITE H2250 haul truck monitor provides near real-time process monitoring for quarry managers and supervisors. It also helps operators with information to improve task productivity across the quarry haul fleet.

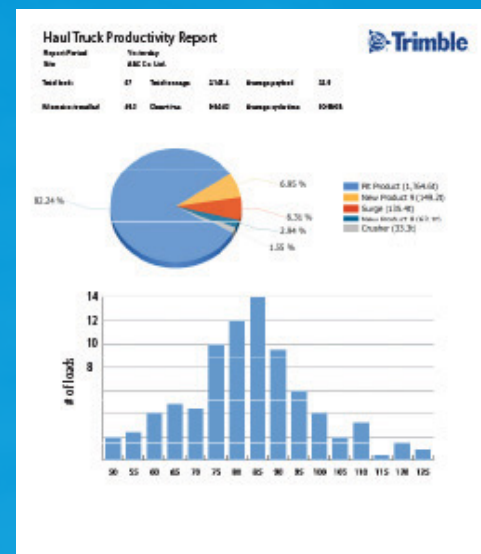
H2250 PROVIDES:

- ▶ Automated product totals
- ▶ Save time by scrapping load sheets
- ▶ Avoid tabulating load sheets
- ▶ Accurate production figures

ABC Quarry Extraction: Truck Loads

Truck Type	Operator	Truck	Location
1000	Jones	1000	Zone 1
1000	Smith	1000	Zone 2
1000	Johnson	1000	Zone 3
1000	Williams	1000	Zone 4
1000	Miller	1000	Zone 5
1000	Wilson	1000	Zone 6
1000	Moore	1000	Zone 7
1000	Taylor	1000	Zone 8
1000	Anderson	1000	Zone 9
1000	Thomas	1000	Zone 10
1000	Clark	1000	Zone 11
1000	White	1000	Zone 12
1000	Harris	1000	Zone 13
1000	Young	1000	Zone 14
1000	King	1000	Zone 15
1000	Wright	1000	Zone 16
1000	Scott	1000	Zone 17
1000	Green	1000	Zone 18
1000	Brown	1000	Zone 19
1000	Black	1000	Zone 20
1000	Grey	1000	Zone 21
1000	White	1000	Zone 22
1000	Black	1000	Zone 23
1000	Grey	1000	Zone 24
1000	White	1000	Zone 25
1000	Black	1000	Zone 26
1000	Grey	1000	Zone 27
1000	White	1000	Zone 28
1000	Black	1000	Zone 29
1000	Grey	1000	Zone 30
1000	White	1000	Zone 31
1000	Black	1000	Zone 32
1000	Grey	1000	Zone 33
1000	White	1000	Zone 34
1000	Black	1000	Zone 35
1000	Grey	1000	Zone 36
1000	White	1000	Zone 37
1000	Black	1000	Zone 38
1000	Grey	1000	Zone 39
1000	White	1000	Zone 40
1000	Black	1000	Zone 41
1000	Grey	1000	Zone 42
1000	White	1000	Zone 43
1000	Black	1000	Zone 44
1000	Grey	1000	Zone 45
1000	White	1000	Zone 46
1000	Black	1000	Zone 47
1000	Grey	1000	Zone 48
1000	White	1000	Zone 49
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1000	Black	1000	Zone 92
1000	Grey	1000	Zone 93
1000	White	1000	Zone 94
1000	Black	1000	Zone 95
1000	Grey	1000	Zone 96
1000	White	1000	Zone 97
1000	Black	1000	Zone 98
1000	Grey	1000	Zone 99
1000	White	1000	Zone 100

Tally sheets can be difficult to comprehend



H2250 formatted reports are accurate and easy to understand.



- 1 PRESSURE TRANSDUCERS:**
Truck Payload is measured by pressure transducers connected to each of the four gas / oil suspension struts. (Two at the front, two at the rear). These pressure transducers measure the total load (weight) on the struts.
- 2 ANGLE SENSOR:**
These are mounted on the excavator chassis frame. They provide machine angle and movement information used to compensate for variable ground slope conditions and provide greater accuracy of measured weights.

- 3 LCC MODEM WITH GPS:**
The Trimble LCC provides fully autonomous GPS for accurate monitoring of position and motion. LCC also provides data transfer via cellular connection.
- 4 H2250 INDICATOR:**
The indicator is the in-cab user interface for the operator to record and view the payload weight.



Speed Limit Alerts



LOADRITE PRINTER

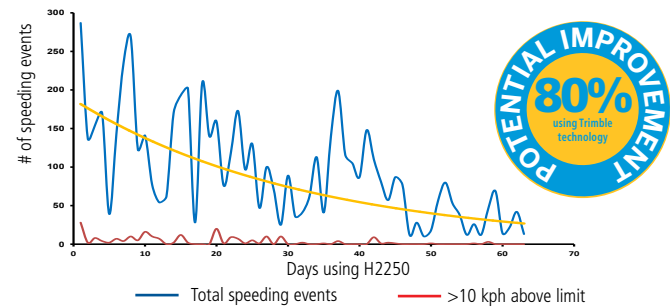
The printer delivers time-stamped and dated hard copies of all weighing information instantly.

1	Full Day Report
2	LOADRITE
3	ID #: 1 Truck #1
4	Report Printed: 5:36 PM 9 SEP 2015
5	Start: 12:00 AM 8 SEP
6	Totals:
	Sand : 0.0 t
	22 : 0.0 t
	33 : 53.4 t
7	Load Counts:
	Sand : 0
	22 : 0
	33 : 3
	Productivity Summary
	Total: 6935.9 t
	Loads: 442
	Distance: 396.3 km
	Operating: 19:51
	tph: 349.4
	Loads/hr: 22.3

- REPORT TYPE**
Full day/part day
- TITLE**
Editable report header to distinguish between reports
- ID#**
The ID number of the system
- REPORT PRINTED**
The time and date of report printing
- START**
The beginning of the 24 hour period (time and date) that the report covers
- REPORT TYPE**
The beginning of the 24 hour period (time and date) that the report covers
- REPORT TYPE**
The number of loads for each 'Product'

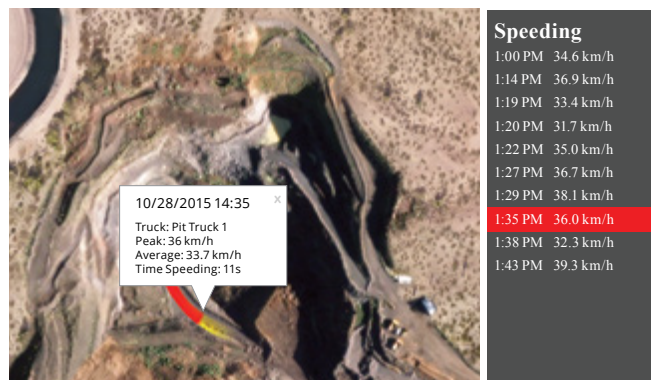
SPEED LIMIT ALERTS

The H2250 will display warning messages when the truck operates outside of normal operating parameters. Providing speeding, roll-over, tray-up, idle time, carry back and overloading alerts. This enables the operator to react to undesired truck operation before a problem occurs and in the most part, without the need for manager intervention. If the truck exceeds the speed limit, the indicator will sound an alert and display an on-screen message



SPEEDING REPORTS

After the first five seconds of speeding over the limit, the H2250 logs the speeding event for reporting via InsightHQ giving managers the tools to identify and confront speeding issues.

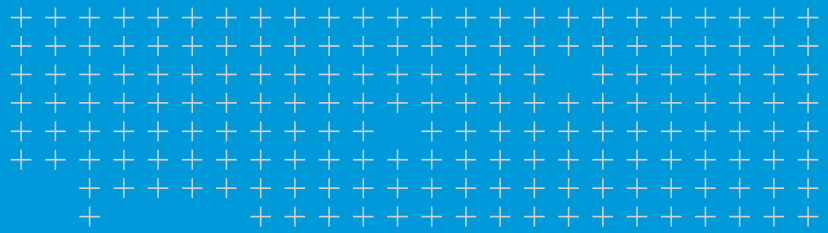


The H2250 can export data to a Trimble printer or sync with InsightHQ (online reporting platform) to present reports on your mobile device. With InsightHQ, data from your LOADRITE haul truck, loader, excavator, and belt scales is available all in one place, and easy access for continuous improvement. InsightHQ provides visibility to respond to issues, optimize productivity, availability and performance during the shift.

SNAPSHOT

See all of your haul fleet productivity and process data at a glance. Compare operators and check that your haul fleet is meeting plant demand, adjusting to changes in cycle time or that product ratios are meeting targets. Loading efficiency data with an average load and hauling time is also available to view.





Trimble: Transforming the Way the World Works

Trimble provides the tools and support for the extraction, processing, loadout, distribution phases of quarry production for more efficient operations and higher profits. Contact your local dealer today to learn how easy it is to utilize technology that makes significant improvements to the aggregates workflow, optimize production, improve efficiency and lower your operating costs.



YOUR TRIMBLE LOADRITE PROVIDER

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