

# CLEARSKY™ TELEMATICS

## DATA THAT DRIVES YOUR FLEET

BROUGHT TO YOU BY THE LEADER IN ACCESS INDUSTRY TELEMATICS.

DTC 4317: HIGH ENGINE COOLANT  
TEMPERATURE CRITICAL

DEF LEVEL: 100%

TIM WATERSTONE  
AUTHENTICATED  
IPAF ID: OP001  
PRE-CHECK: A  
JUN 12, 8:00 A

CLEARSKY™  
by JLG

# FLEET MANAGEMENT HAS NEVER BEEN MORE CLEAR

To effectively run your fleet, you need to improve equipment utilization, reduce downtime and minimize potential safety risks. Telematics helps you do all these things by collecting real-time data. But how will you analyze and manage that data once you have it?

ClearSky from JLG is more than a telematics platform. It's an investment in a long-standing partnership and a deep commitment by JLG to provide increasing value to your business. We offer low-cost hardware options and service plans and an easy-to-use portal or API option to combine our expertise with your business data to deliver customized solutions that improve ROI.

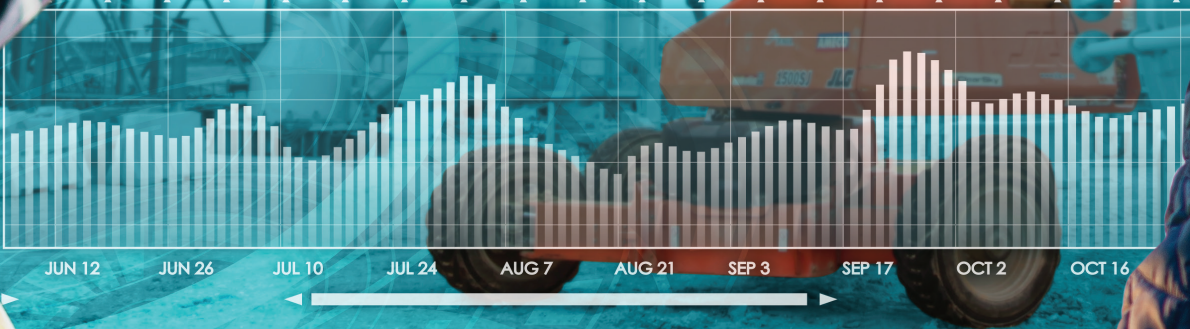
*"CLEARSKY IS AN INVESTMENT IN A LONG-STANDING PARTNERSHIP AND A DEEP COMMITMENT BY JLG TO PROVIDE INCREASING VALUE TO YOUR BUSINESS."*

ClearSky is backed by the JLG® network of parts specialists, customer service representatives and service technicians. It also has a dedicated R&D team who continually evolves our state-of-the-art fleet management solution to fit the needs of today's connected job site.

**Transform the way you do business when you add ClearSky telematics to your fleet. Learn more at [clearskynext.com](https://clearskynext.com)**



# UTILIZATION



A tablet displaying a data dashboard. The dashboard includes a table with columns for 'Utilization', 'Assigned Resources', and 'Unassigned Resources'. The table contains several rows of data, with some cells highlighted in yellow. The dashboard also features various filters and controls.

Item	Utilization	Assigned Resources	Unassigned Resources
Item 1	67%	2.10	2.10
Item 2	67%	0.10	0.10
Item 3	67%	0.20	0.20
Item 4	67%	0.30	0.30
Item 5	67%	0.40	0.40
Item 6	67%	0.50	0.50
Item 7	67%	0.60	0.60
Item 8	67%	0.70	0.70
Item 9	67%	0.80	0.80
Item 10	67%	0.90	0.90

## INCREASE UTILIZATION & UPTIME

Every hour of run-time should be an hour of income for your business. ClearSky shows you where and how your equipment is operating, so you can track and bill any out-of-contract use. Manage machine maintenance schedules to ensure you don't over- or under-service your machines. Remotely diagnose machine problems to coordinate the right tools and parts needed for on-site repairs. And, deflect unnecessary service calls to increase efficiency for your service personnel.



Always know when, where and how your equipment is operating.

Receive automated reports and immediate notifications when problems arise.

Proactively schedule maintenance to reduce unnecessary service calls.

## BOOST PRODUCTIVITY & PERFORMANCE

Partnering with JLG through the ClearSky platform gives you the tools to analyze fleet and operator data, as well as determine the overall effectiveness of your operation. Rental companies have the option to make all tools available to your customers. Plus, you can streamline the planning phase of projects using the JLG® building information modelling (BIM) library to select the right machine for the job site.



Easily analyze data points on your tablet, desktop or mobile device.

Use both ClearSky data and the JLG® BIM library to deliver the right machines to the job site.

Share utilization and operator data with customers to improve on-site efficiency.

## ENHANCE SAFETY & SECURITY

Why waste time searching for assets in the field? With ClearSky, you always know where your machines are located. Prevent equipment theft by setting virtual boundaries that alert you of unauthorized movement or operation. Our innovative ClearSky Access Control system also helps you prevent unauthorized use of your equipment by limiting access to only trained operators.



Set up geofences and time fences to protect your fleet from unauthorized operation.

Save time by immediately locating assets in the field.

Prevent untrained operators from using your equipment with ClearSky Access Control.

# INTRODUCING CLEARSKY REMOTE ANALYZER READER

With the new Remote Analyzer Reader (RAR) and ClearSky, troubleshooting machine issues just got a whole lot easier. Did you know that 40% of the time, service technicians don't have the right parts or tools with them to do the job? Not anymore! More convenient than the handheld analyzer, RAR provides service technicians access to diagnostic machine data in an easily reviewable summary without being on-site. This information is available through the ClearSky portal for most JLG boom, scissor and telehandler models equipped with a CAN device.

## With Remote Analyzer Reader, you can:

- **Reduce Costs:** Eliminate or reduce costly service calls; ensure technicians have the right parts and tools for service visits
- **Save Time:** Faster troubleshooting; fewer unnecessary service visits
- **Reduce Revenue Loss:** Machines can stay in service and be available for rent or use
- **Improve Safety:** Provides the data needed to decide whether a machine can continue to be operated safely or needs to be removed from the fleet until service is complete
- **Increase Efficiency:** Technicians arrive with the right parts and tools for service visits; no need for a handheld diagnostic tool



# CLEARSKY ACCESS CONTROL

Operators who aren't properly trained may use your equipment in a way that causes damage or creates a safety risk. Help ensure that only operators with the proper credentials and training can operate your machines. ClearSky Access Control uses a keypad and RFID reader to identify operators using a unique ID number or smart RFID card. If authorized, the operator will gain entry to the machine.

## With Access Control, you can:

- Enhance worksite safety through qualifications-based authorization
- Utilize actual check-in/check-out tracking and reporting to aid decision making based on usage and operator performance
- Manage users, machine lockout and equipment access conveniently through both over-the-air and local access options
- Save time by uploading up to 2,000 operators at a time into the system through a convenient batching feature

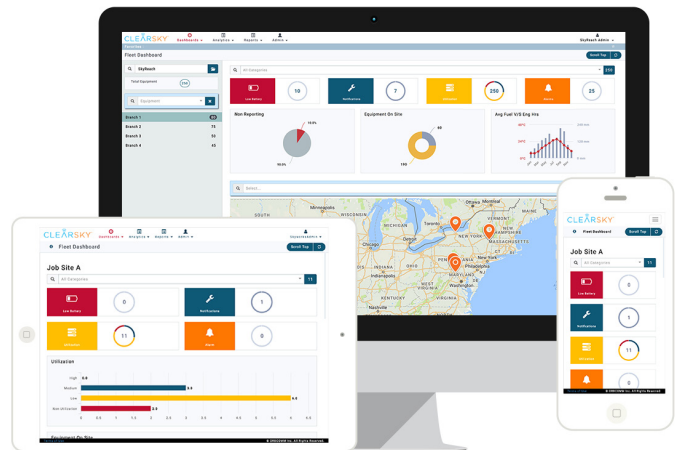


## HOW CLEARSKY WORKS

Not only does ClearSky provide you with the information necessary to manage your entire fleet, it's uniquely integrated with your JLG® machines to provide the real-time, connected technology you expect in a rapidly changing workplace. ClearSky includes factory-installed and retrofitted telematics solutions for most JLG® products. There are three types of hardware available: **ClearSky Locate**, **ClearSky CAN** and **ClearSky Dual CAN**. Both the **Data & Portal** and **Data Only** plans are available, regardless of the ClearSky hardware installed on your machines.

### Data & Portal Plan:

When you select the Data & Portal plan, you get full access to our user-friendly portal. The portal aggregates all your equipment data onto a default dashboard that shows you the basic data you need, with the option to create a customized dashboard. Easily handle problems that used to take hours to solve and create custom reports to keep your fleet running at peak efficiency. With the features available in the ClearSky portal, you can save time and money by anticipating issues and eliminating the guesswork of managing your fleet.



### Data Only Plan:

Your IT team and the ClearSky team will work together to develop an API connection that delivers raw data directly to your existing business system. This secure connection allows seamless downloading of the latest machine information into an ERP system, SAP system or other rental software. That means you get all the benefits of ClearSky fleet data without having to learn new software or retrain your employees.



## CLEARSKY FEATURES

### Our current ClearSky offering includes:

- Simple web portal
- Basic and advanced APIs
- Machine location targeting
- Geofencing and time fencing
- Automatic machine alerts
- Machine operating hours data
- Engine operation and fault codes
- Battery state-of-charge data
- ClearSky Access Control
- ClearSky Remote Analyzer Reader

### Features in development include:

- Advanced machine alerts and diagnostics
- Diagnostics and prognostics
- Optimized battery monitoring
- Analytics

Request more information on ClearSky telematics at [clearskynext.com](https://clearskynext.com)

NOTE: To be compliant, JLG® machines equipped with ClearSky telematics must be received by countries that are certified to have ClearSky. For the list of certified countries, please visit [jlg.com/clearsky/certification](https://jlg.com/clearsky/certification)



