

GET MORE OUT OF YOUR EQUIPMENT



INSPECT EQUIPMENT AT THE TOUCH OF A BUTTON.

CAT® INSPECT IS A MOBILE APP THAT EQUIPS YOU TO CONDUCT EQUIPMENT INSPECTIONS MORE EFFICIENTLY AND ACCURATELY.

It lets you capture inspection data and integrates with your other CAT® data systems, so you can keep a close eye on your fleet.

With more than one million inspections completed each year, you can be sure it delivers more convenience and accountability.

HOW YOUR BUSINESS WILL BENEFIT:

Increased efficiency by reducing the time and effort required to complete inspections.

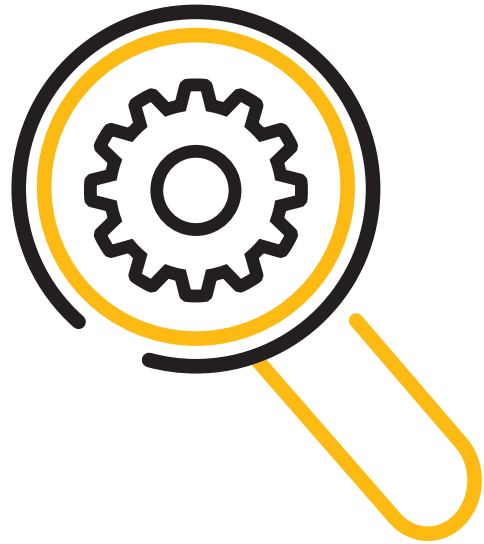
Improved accuracy with pre-built checklists and inspection templates.

Better documentation providing a more detailed and accurate record of equipment condition.

Better Maintenance by addressing potential issues early, before they cause costly downtime.

Increased safety by identifying safety issues and addressing them before they cause accidents or injuries.

Time saving with auto populated equipment information and data.



EASILY INTEGRATED INSPECTION RESULTS CAN BE VIEWED IN CAT® EQUIPMENT MANAGEMENT APPLICATIONS, SUCH AS VISIONLINK®, MAKING IT EASIER TO TRACK MACHINE HEALTH.

CAT® Inspect's digital inspections provide current information for review, retention, sharing and printing, making it a collaborative tool. You can also create custom inspection forms, save images, videos and comments. And it can be used for both CAT® and other manufacturers' equipment.

CHOOSE FROM THREE TYPES OF INSPECTIONS:

- Equipment Inspections - Search by family or serial number prefix
- Site inspections - Includes buildings, storage and contamination control
- S.O.S - View fluid analysis reports to better understand equipment condition

S.O.S LABORATORY- FROM DIAGNOSIS TO SOLUTIONS.

**A STATE-OF-THE-ART LABORATORY THAT
THAT IS REVOLUTIONISING EQUIPMENT
MAINTENANCE.**

**YOU CAN NOW DETERMINE THE HEALTH OF
YOUR EQUIPMENT BY GETTING OIL, COOLANT
AND FUEL SAMPLES TESTED AND ANALYSED.**

The S.O.S laboratory in Boksburg, undertakes wear analysis and interprets samples from machines in the field. The S.O.S programme is not a solution to machine problems, but a tool for detecting problems early.

Think of it as preventative maintenance. An early warning sign that could save you a small fortune, both in downtime and repair costs.

We provide customised solution to address the specific needs of your equipment, including recommendations on oil changes, filter replacements and other maintenance procedures.

S.O.S oil analysis is a crucial part of machine management. Oil sampling at scheduled intervals validates your maintenance procedures, tracks what is going on inside of the equipment and forecasts wear-related problems. Our S.O.S oil analysis programme is well recognised for its ability to detect potential failures before they occur. Each S.O.S Services test is designed to reveal specific information about the condition of all earthmoving equipment, machines and fixed plants.



THE FOUR TYPES OF ANALYSIS

WEAR METAL

Monitors and tracks metal wear particles, contaminants and oil additive package elements.

OIL CONDITION

Compares used oil to new oil to see if it is providing adequate lubrication and protection.

OIL CLEANLINESS

Determines if abrasive contaminants are causing accelerated wear.

OIL CONTAMINATION

Detects water, glycol or fuel in oil.

CONDITION MONITORING

PREDICT POTENTIAL EQUIPMENT PROBLEMS & HOW TO PREVENT THEM.

Equipment maintenance is a key contributor to overall operating costs of equipment. It has been demonstrated that the total costs associated with unscheduled downtime due to equipment failures are far higher than if the same repairs were performed on a scheduled basis. In addition, there is the loss of production because of increased repair downtime.

Many customers have adopted a repair-before-failure strategy in the interest of reducing the number of unscheduled downtime events. A well-conceived, fully functional Condition Monitoring plan to support the timely and accurate detection of changes in equipment health, performance and operation, and application severity is the foundation of any condition-based and repair-before-failure maintenance strategy.

CAT VISIONLINK®

PREVENT BREAKDOWNS, REDUCE DOWNTIME, IMPROVE PRODUCTIVITY.

CAT VISIONLINK® PROVIDES A COMPLETE VIEW OF YOUR FLEET AND MACHINES AND SITE PRODUCTIVITY, ENABLING MORE INFORMED DECISIONS ABOUT HOW TO UTILISE IT BEST.



CAT VISIONLINK® EQUIPS YOU TO:

- Monitor and reduce idle time and fuel burn
- Improve machine utilisation and manage services to avoid downtime
- Monitor operator performance to identify training opportunities
- Compare machine productivity and idle time numbers for improvement
- Act quickly to prevent accidents and identify training opportunities
- Know if, when where and how every machine is being used
- Manage the entire jobsite all in one place

The VisionLink® Mobile App is the ultimate in solution for easy, on-the-go equipment management. With just a few taps, you can access your equipment information, from the palm of your hand.

HOW THE APP WORKS



VIEW VIDEO

DOWNLOAD THE VISIONLINK® APP



OPTIMISE YOUR OPERATIONS WITH MINESTAR.

USING REAL-TIME DATA CAT® MINESTAR™ TAKES THE GUESSWORK OUT OF MANAGING YOUR EQUIPMENT BY PROVIDES ACTIONABLE INSIGHTS TO IMPROVE OPERATIONAL PRODUCTIVITY.

INCONSISTENT PROCESSES. UNSKILLED OPERATORS. MISDIRECTED LOADS. LONG CYCLE TIMES. EXTENDED MACHINE DOWNTIME.

These are just a few of the challenges that can have an impact on your productivity and they're all challenges that can be addressed by CAT® MineStar™ Solutions. These solutions help you improve the efficiency of your overall operation — assigning fleets and operators, managing material movement, optimising payload and minimising repair costs. And you can further optimise your operation with MineStar™ automation technologies — a productivity game-changer. Every MineStar™ capability is designed to contribute to greater productivity and ensure you get the most out of every machine you own.

BLIND SPOTS. TIRED AND DISTRACTED OPERATORS. LACK OF AWARENESS. POOR VISIBILITY.

How much safer would your operation be if you could eliminate these safety challenges? With CAT® MineStar™, you can. The safety benefits are extensive — from helping you identify and manage operator fatigue and distraction to giving operators a better view of what's around their machines, from alerting operators to potential collisions to completely removing them from harm's way through autonomy.



UNPLANNED DOWNTIME. COSTLY EQUIPMENT FAILURES. LOST PRODUCTIVITY.

These are just a few of the challenges you face when it comes to managing the health of your equipment — and they're all challenges that can be addressed by CAT® MineStar™ Solutions.

Equipment health solutions deliver incremental improvements in maintenance and repair that add up to big benefits. We'll keep you connected to your machines, leverage sophisticated analytics and help you employ a philosophy of preventive maintenance — so you can head off small problems while they're still small, run machines as efficiently as possible for as long as possible, and keep unplanned downtime to a minimum.

CAT® MINESTAR™ SOLUTIONS

NEAR-CONTINUOUS MACHINE UTILISATION. MORE CONSISTENT OPERATIONS. GREATER EFFICIENCY. ABILITY TO REMOVE OPERATORS FROM HARM'S WAY.

These are many benefits you can enjoy when you incorporate automation into your mining operation - and they're all made possible by CAT® MineStar™ Solutions.

Machine automation has been one of the biggest developments in technology over the last decade, and significant benefits can be realised with even the simplest of applications. Individual technologies can be used alone or combined in multiple ways to take advantage of immediate productivity, efficiency and safety gains, all which serve as the building blocks to autonomous mining operations.

CAT® MineStar™ Solutions make it possible for you to automate a single mining process, remotely control a single machine, automate multiple types of equipment across a mixed fleet, or implement a completely autonomous fleet of haul trucks that operate around the clock with no human intervention.

CAT® MINESTAR EDGE™

CAT® MineStar Edge™ is a new platform that delivers more connected, integrated, scalable and intuitive products that extend further up and down the value chain. It creates an operational ecosystem for mining companies, aligning with the way many already manage their businesses.

Rather than having data that exists in individual silos, Edge brings visibility to the entire mining operation. Delivered as a cloud-based, subscription managed application, Edge lowers network requirements, reducing costs of deployment, service and training. It also speeds the time up from order to use, and allows automatic upgrades, updates and fixes. In addition, sites have the option to have some applications hosted locally to ensure higher connectivity and less latency.

KEEPING PRODUCTION ON TRACK

CAT® MineStar Edge™ Equipment Tracking is a fleet management system that replaces pencil and paper with automatic tracking of all mobile assets. It provides highly accurate data that tells supervisors what the fleet is doing, who is operating which machine and how they are spending their time.

ACCURATE, REAL TIME PRODUCTION DATA

CAT® MineStar Edge™ Production Recording pairs with Equipment Tracking to deliver an accurate and automated near-real-time solution that measures and reports on every aspect of the load-haul-dump cycle. It gives sites visibility to their entire mining operation and provides accurate, reliable and actionable data with no operator input required.

CAT® MINESTAR™ WIDE RANGING CAPABILITIES



FLEET: Gives mines a comprehensive overview of all operations with real-time machine tracking and productivity management.



TERRAIN: Enables management of drilling, grading and loading operations through the use of advanced guidance technology.



DETECT: Enhances operators' awareness of the environment around their equipment and detects operator fatigue and distraction, helping alleviate potential safety hazards and increasing operator confidence.



HEALTH: Delivers critical machine condition data for fleets, helping mines identify potential equipment problems long before failure.



COMMAND: Allows for remote control, semi-autonomous or fully autonomous mining equipment systems-offering unprecedented improvements in site safety and productivity.

SAVES YOU TIME AND MONEY.

ACCESS OVER 1 MILLION GENUINE PARTS
ONLINE, ANYTIME, ANYWHERE WITH
PARTS.CAT.COM.

- Order parts 24/7
- Improve ordering accuracy
- Inventory visibility
- Order tracking with status updates
- Create custom parts lists
- Save on costs with exclusive discounts
- Technical support should you need it



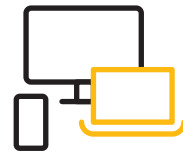
PARTS.CAT.COM EQUIPS YOU TO:



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sending to the dealer



Submit parts list to dealer
and lock in pricing



Upload list of parts
from any software



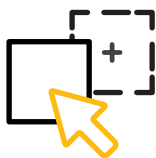
Edit information in
a pending quote



Save & Share
parts lists



Drag & Drop
saved parts list



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saved parts list



Share order details



Customise cart
preferences



Choose notifications
preference



One-page view of
account activity



Detailed cart exports

THE SMARTEST WAY TO ORDER PARTS

**PUTTING INNOVATION INTO ACTION,
ALL NEW CAT® MACHINES AND
GENERATORS NOW COME WITH A QR
CODE, WHICH TELLS YOU EXACTLY
WHAT PARTS ARE RIGHT FOR YOUR
MACHINE OR GENERATOR.**

All you need to do is scan the QR code and you'll be redirected to the specific parts ordering page on parts.cat.com.



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**HOW TO CREATE
AN ACCOUNT**



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**HOW TO FIND
PARTS**



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**HOW TO SEARCH
USING 'MY EQUIPMENT'**



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**SELF SERVICE
REPAIR OPTIONS**



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