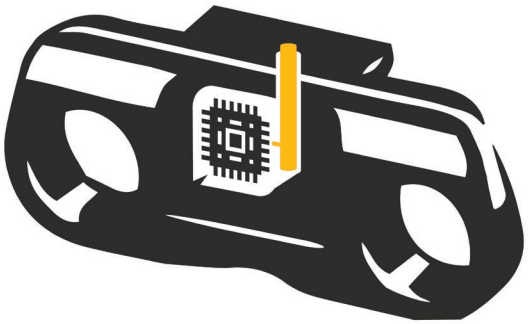
CAT® UNDERCARRIAGE

CAT TRACK WEAR SENSOR

BOOST YOUR FLEET COVERAGE AND IMPROVE TRACK MANAGEMENT WITH CUTTING EDGE TECHNOLOGY.

Cat® Track Wear Sensor (CTWS), is a proprietary innovation, exclusive to Cat machines and undercarriages that remotely monitors the wear on your undercarriage to better predict wear-out for easier planning and minimization of downtime.

With this revolutionary system, you can expect automated alerts at key wear percentages, convenient for your scheduled replacement of the track and integrated with the Cat Wear Management System.



BENEFITS

Keep undercarriage at peak **efficiency** by predicting wear-out

Maintenance planning made easy through key alert intervals

Innovative **technology** exclusive to your machine triggers replacement notifications

Remote undercarriage wear monitoring provides enhanced **reliability**

Increases uptime by avoiding costly and inconvenient interruptions

PRODUCT FEATURES

This cutting edge technology offers many quality features to provide dependability and uptime.

+ CTWS designed to trigger notifications at certain wear intervals
+ Alerts help you plan for replacement ordering and installation
+ Each link assembly has a smart link; two on a machine, one on each side
+ No negative impact to link structural life
+ Battery life of up to 7 years*
+ Meets sensor functional and environmental tests
+ Waterproof technology
+ Able to survive high frequency shock loads
+ Forecast accuracy +/-10%

*Subject to operating conditions

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HOW IT WORKS

The CTWS is installed in a customized pocket in the track link. As the track link is worn down, the track wear sensor monitors the amount of wear.

The CTWS communicates that critical wear information about the track link from the machine. It sends information wirelessly, to the Cat equipment management software, where the status can be monitored by your Cat dealer.

AUTOMATED INSPECTIONS

The CTWS is designed to trigger notifications at certain wear intervals to make service and maintenance convenient.

+ No touch track link measurements
+ Increases fleet coverage with automated inspections
+ Prioritized timing of visits eliminating non-value added manual inspections
+ Provides visibility to track wear in remote locations
+ System provides alerts at key wear percentages

Expect alerts during the following intervals:

- 40%: Alert for bushing turns
- 70%: Signal to measure/order
- 100%: Replacement needed

CAT WEAR MANAGEMENT SYSTEM INTEGRATION

+ Monitors status of sensors within Cat Wear Management System
+ Improved order planning for replacement parts

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