

## INFORMATION RELEASE MEMO



# Tire Monitor System

## WORLDWIDE AVAILABILITY FOR THE CAT® TIRE MONITORING SYSTEM, UP TO 29.5R RIM SIZE TIRE, 2 AXLE 4 or 6 TIRE

The Stand-Alone Tire Monitoring System designed by Caterpillar is now available worldwide, as a solution to optimize tire life and reduce costs related to tire management for wheeled machines with tire rim sizes up to 29.5R. The advanced wireless Tire Monitoring System measures both tire pressure and tire chamber temperature alerting operators and site personnel of a tire related issue.

Real-time information enables the operator to monitor tire conditions and manage their operation as they work. The rugged Caterpillar designed tire sensor is Band mounted on the rim inside the tire. A dedicated in-cab display provides visual alerts when tire pressure or temperature falls outside of prescribed limits, allowing the operator to quickly make decisions to prevent tire damage.

The available kit, part number listed in Table 1.0, includes the on-board machine hardware (receiver, in-cab display, antenna, cable, harnessing, and mounting hardware) to be installed. The required Sensor kit part number, listed in Table 2.0, includes the sensor, sensor cradle, film, and bands to install into the tire (see REHS9135 for installation procedure). Use one sensor kit per tire.

**Table 1.0- Tire Monitoring System Part Number**

Kit Part Number	Kit Description
434-4542	Stand Alone Tire Monitoring System includes onboard hardware for single system install

**Table 2.0- Band Mount Sensor Kit Part Number**

Sensor Kit Part Number*	Mount Type	Rim size recommendation
457-5705	Rim Band Mount	29.5R Rim and smaller

\* Tire Sensor Kit contains hardware for single tire install, order quantity required per number of tires

**Cat Tire Monitor System**

Caterpillar’s Tire Monitoring System addresses the second highest machine operating expense by closely monitoring the conditions of the tires to eliminate early wear and reduce overall operating costs.

Properly inflated tires will optimize fuel consumption, optimize traction, braking, turning/cornering, and increase operator comfort. Cat Tire Monitoring will be the best investment to manage your machines tires through every mile.

**Product Link Integration**

The Tire Monitoring System currently is compatible with Product Link PL522 and 523. The system will transmit this data, along with diagnostic information, on the main J1939 data link to be received by a recording ECM such as Product Link.

**Features and Benefits**

	Features	Benefits
<b>Owning and Operating</b>	<ul style="list-style-type: none"> <li>Monitors high/low pressure</li> <li>Monitors high temperature</li> </ul>	<ul style="list-style-type: none"> <li>Early warning alerts help manage extreme pressure levels avoiding premature tire failure, reducing replacement costs</li> <li>Prevent hazardous conditions (overheated tire)</li> </ul>
<b>Sustainability</b>	<ul style="list-style-type: none"> <li>Extended sensor battery life (est 5 yrs)</li> </ul>	<ul style="list-style-type: none"> <li>Extends service life</li> </ul>
<b>Site Assurance</b>	<ul style="list-style-type: none"> <li>Manage optimal tire limits</li> <li>Easily programmable</li> <li>Easy Install</li> <li>Waterproof sensor</li> </ul>	<ul style="list-style-type: none"> <li>Optimize fuel consumption with correct tire pressure</li> <li>Optimize traction, braking, and turning</li> <li>Reduce unexpected downtime</li> <li>Sealed against fluids</li> </ul>
<b>Efficiency</b>	<ul style="list-style-type: none"> <li>Real time data</li> <li>Wireless transmission of sensor data</li> <li>In-cab display</li> </ul>	<ul style="list-style-type: none"> <li>Quickly address tire issues without additional tire damage</li> <li>Quick assessment of all tires initiates preventive maintenance</li> </ul>
<b>Ergonomics</b>	<ul style="list-style-type: none"> <li>Proper tire inflation</li> </ul>	<ul style="list-style-type: none"> <li>Ride comfort</li> </ul>

### **Order Fulfillment**

Dealers will place orders through the Worldwide Parts Distribution System (Antares Parts System or DBS/DBSi), to be Dealer Direct Ship worldwide to dealers of approved for use countries (see Approved countries).

**Dealer Direct Ship (DDS)**- The system shows no on hand inventory for DDS, the dealer will place the order and should receive an Order Acknowledgement of the Estimated Ship Date (ESD). To inquire on DDS orders, call the DDS hotline below.

**HOTLINE for Dealer Direct Ship: 1-800-566-7782, Option 4**

### **Publications**

The media number for the Installation Instructions publication is listed and will be available electronic only, not included in the kits.

### **REHS 9135, Cat Tire Monitor System Installation Instructions**

#### **Contact Information:**

Global Dealer Solutions Network  
Parts Technical Support Team  
Toll Free - North America: 1-877-228-2420  
International: +1-309-266-4421  
Electronic Requests:  
Send via Microsoft Customer Relationship Management (MSCRM)  
For access and tutorial information: <https://gdsn.cat.com/mscrm>

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