QUALCOMM®

SOLUTIONS

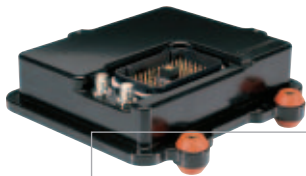**GlobalTRACS®**

Equipment Management Solution

Revolutionizing the Construction Industry

Ruggedized to withstand the harshest working environments

Developed through a powerful combination of wireless technology, data-handling functions, and construction industry know-how, the GlobalTRACS equipment management solution automatically collects, organizes, and transmits vital information about where and how construction equipment is being used. The GlobalTRACS solution provides equipment distributors, rental companies, and contractors with an immediate competitive advantage. It offers an entirely new way to help cut costs, increase revenue, improve workforce productivity, maximize equipment utilization, and attain a higher level of customer satisfaction.

The GlobalTRACS solution provides up-to-the-minute engine hours data showing exactly when equipment is running and when it isn't. It also provides GPS-based location information to keep you informed about where equipment is located. To enhance security, the GlobalTRACS solution offers geo-fence monitoring alerts that inform you about equipment movement outside pre-set boundaries. Customer-defined reports enable you to view data in a format that best meets your needs, which makes information more useful in less time. Just as important, this solution is made available by QUALCOMM, a worldwide leader in wireless data technology that provides reliable message delivery of the information you need on time, every time.
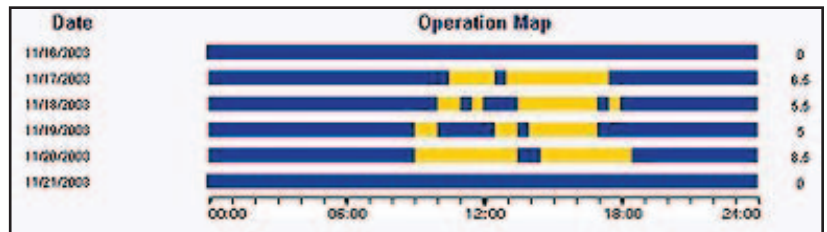
Benefits:
- ► Reduces costs
- ► Optimizes preventative maintenance program
- ► Maximizes equipment utilization
- ► Improves workforce productivity
- ► Increases revenue
- ► Enhances customer satisfaction
- ► Offers greater security for equipment
- ► Integrates equipment data with your business systems
- ► Provides flexibility to grow with your business

The GlobalTRACS Solution Features:

- ► Detailed engine hours data
- ► Preventative maintenance scheduling
- ► GPS-based location data
- ► Geo-fence alerts for equipment movement
- ► User-defined management and maintenance reports

- ► Driver directions and instructions
- ► Easy back-office software integration
- ► Ruggedized construction
- ► Reliable message delivery

Count the Ways to Lowered Costs and Increased Productivity

Engine Hours Data

The GlobalTRACS solution supplies engine hours data on demand or at customer-defined intervals. Armed with this information, you can generate project costing estimates and billing records of unparalleled accuracy, while avoiding embarrassing mistakes and disagreements with customers. Furthermore, you can increase equipment utilization by re-deploying idle or underutilized equipment.

Proactive Maintenance Scheduling

Accurate records of engine hours data enables you to optimize your service program and preventative maintenance schedules. This reduces downtime and related costs by preventing excess servicing on one hand, and inadequate or late servicing on the other. The GlobalTRACS solution enables you to finally build a low cost, world-class maintenance program without interrupting construction timetables or impeding your customers.

Integration and Flexibility

The GlobalTRACS solution is flexible enough to grow with you, and can be installed in two ways. Some customers prefer the Internet-based option, which requires only Internet access and a browser. Others prefer full integration with existing back-office operations, billing, and maintenance software. Both options offer seamless operation, and a fully integrated option enables automatic updating of business systems with the collected data. QUALCOMM also offers the OmniTRACS® or OmniExpress® mobile communications solutions which can help you communicate with your delivery vehicles and service technicians to bring improved productivity and enhanced customer service.

Driver Instructions

To ensure timely pickup and delivery of equipment for maintenance or use at another job-site, the GlobalTRACS solution provides maps and textual step-by-step instructions from point to point. Complete with zoom, e-mail, and print capabilities, the system makes pickup and drop-off easy and efficient.

GPS-Based Location Data

Global positioning system (GPS) data keeps you informed about the location of equipment on demand or at predetermined intervals. This helps prevent service technicians and delivery personnel from wasting time searching for equipment on the job site. GPS data can also be used for preliminary notices and lien filings through legal documentation of equipment movement from site to site.

User-Defined Reports

At the heart of the GlobalTRACS solution is knowledge. Not just raw, unprocessed data, but clearly presented information that can be put to work immediately. For example, in addition to issuing a unique identifier for each piece of equipment and recording the year, make, and model, the GlobalTRACS solution monitors engine hours, geographic position, on/off status, maintenance due, and other vital indicators. Each business has its own set of priorities, and this solution enables you to format reports to display only the data that is important to you—making it easy to take quick action.

Geo-fence Based Security

Based on updated GPS data, the GlobalTRACS solution automatically issues alerts when equipment moves outside established boundaries—or geo-fences— of pre-defined areas. Geo-fences can be created for individual pieces or entire groups of equipment, which reduces the risk of loss due to theft or unauthorized use.

Specifications

Physical Characteristics

Dimensions	8"l x 7.7"w x 2.2"h
Weight	3 lb
Discrete inputs/outputs	Run terminal
	Vehicle battery voltage sense
	4 user-defined sensor inputs
	CAN Bus (J1939) or J1708
	Diagnostic port

Enclosure

Rugged, sealed cast aluminum	
Operating voltage	9-32 VDC

Environmental Specifications

Shock	40g, 11 msec per axis
Operating vibration	5.0g RMS, 24-2000 Hz, 3 axes
Non-operating vibration	8.0g RMS, 24-2000 Hz, 3 axes
Sealed enclosure	5 psi
Operating temperature	-30°C to +85°C
	-22°F to +185°F
Storage temperature	-50°C to +85°C
	-58°F to +185°F

Sealed antenna
(GPS, 800/1900 MHz CDMA, 800 MHz AMPS)

	12 VDC	24 VDC
Dimensions	4"h x 4.2"d	
Power Management	12 VDC	24 VDC
Engine On	277mA	150mA
Engine Off	<1mA	<2mA

Ruggedized Construction

The ruggedized mobile terminals of the GlobalTRACS solution are designed to meet equipment manufacturer specifications, and mount directly on your construction equipment where they can withstand the harshest working environments and provide unsurpassed reliability.

Reliable Message Delivery

Step back and count the elements that contribute to the message speed, quick communications, and dependability of the GlobalTRACS solution. GPS accuracy. Ruggedized hardware. Back-office software compatibility. Easy integration. Meanwhile, the legendary QUALCOMM Network Operations Centers (NOCs) work behind the scenes handling more than 9 million transactions per day. Featuring full redundancy and staffing by trained professionals, the NOC monitors the data network 24 hours a day/365 days a year. It all adds up to the one thing customers count on most: QUALCOMM's reliable message-delivery.

The Confidence of QUALCOMM

The construction equipment industry is not the first to be revolutionized with a complete solution based on QUALCOMM's digital wireless technology. As one of the world's largest mobile data providers, QUALCOMM also offers products and services for the transportation and logistics industry with more than 500,000 mobile units shipped worldwide. Technology is advancing and changing quickly, and QUALCOMM has the expertise and resources to assure you that your investment in technology is secure while offering unparalleled reliability.

For more information, visit **www.qualcomm.com/qwbs** or call us at **1-800-348-7227**.

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