



ST-550 RADIO TRACKER

**Wireless Hour Meter
Also Produces
Idle/Work Logs and
Service Alerts**

OEM Data Delivery has introduced the ST-550 Service Tracker, a technology that combines, for the first time, the data provided by an RFID hour meter, plus detailed idle and work logs, and service alerts.

Engine idle is a huge issue. It wastes fuel, increases wear on transmissions and engines, causes carbon build-up, and reduces oil and filter life. The ST-550 gives managers a tool for finding it, stopping it, and making every jobsite more profitable.

- **Wireless, paperless – and “hands-free.”**
Data, including machine location, service records, FOG consumables, idle/work logs and more is captured passively by “drive-by” radio link. Information is automatically downloaded into your computer program.
- **Low power radio** frequency transmits data 100+ yards.
- **Optional feature allows the foreman to capture dispensed fuel data**, flag irregularities, and prevent fuel theft.
- **Seven equipment alarms** on the ST-550 help keep preventative maintenance on schedule.
- **Detailed reports** allow greatest possible accuracy for job costing and decision-making.

Systems are engineered to user requirements and can be implemented quickly; training typically requires just a few hours. The ST-550 is based on rugged, field-proven jobsite technology developed by OEM Data Delivery and used by major construction firms, waste management companies and others who operate multiple, complex jobsites.

Installation with OEM Data Delivery's Installation Harness is Simple, Fast and Reliable

Service Trackers are easy to install. Usually customer mechanics do the work during normally scheduled service.

- The harness streamlines and standardizes the install process.
- Highly reliable closed-loop system outside of equipment electronics.
- Easy component swap out
- Simple troubleshooting

The trucking industry estimates that long-duration idling costs the owner \$1.13 per day, per vehicle, based on the cost of more oil changes and sooner overhauls.

The average heavy-duty truck consumes 0.8 gallons of fuel an hour while idling, based on comprehensive EPA testing.

ST-550 RADIO TRACKER

How Is It Used?

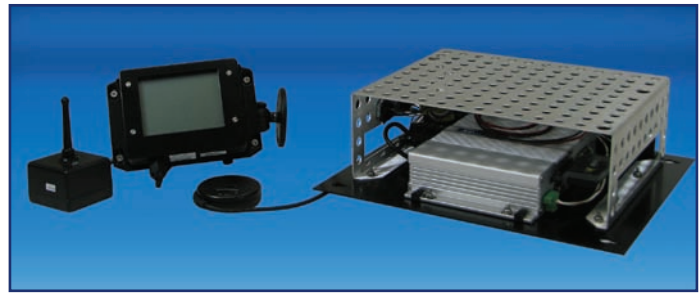
- The device tallies hours during operation.
- Drive by data capture – fuel trucks, service trucks, supervisor trucks, fuel stations, office trailer, delivery trucks
- Data is collected continuously via radio (RF) without interrupting normal equipment operation.
- The equipment identity, hours, location and service alert data is downloaded into a web report, or virtually any computer program.
- Management receives timely, accurate and detailed reports.

Where Is It Installed?

- The robust, field-proven hardware is installed on the vehicle exterior.
- The primary radio tower is on the dashboard or on top of the vehicle.
- The secondary unit is on the equipment being tracked.

Benefits and Features:

- Data such as location, user, hours and equipment number is collected.
- Job costing is more accurate; tracks actual machine operating time per job.
- Easier and accurate tracking of warranty claims, logs hours for analysis of specific components.
- Reduces costs of data collection . . .
 - Radio link eliminates lost or inaccurate data.
 - Accident-free data collection
- Fleet cost control via utilization data based on GPH or actual working time.



OEM Data Delivery's **GoPOD** is a wireless, hands-free alternative to GPS that captures individual machine locations, plus work time, idle time, and service alerts, accurately, and in real time.

Technical Specifications

- **Casing** – Flame retardant ABS
- **Voltage** – 12-24-48V or 110V option
- **Storage** – 34 days history each for Idle/Work/Run logs in external non-volatile EEPROM
- **Real Time Clock** for time stamped data
- **7 Segment Display** for alarms display and communication diagnostics
- **Button** – WAKE button used for calibrating ST-550 and radio channel switch during fuel mode
- **Environmental** –
 - Temperature:
-40°C +80°C weather resistant – IP65
- **Physical** –
 - Dimensions:
Height 2.4" - Width 5.4" - Depth 1.2"
- **Warranty** – Standard 1-year warranty
- **Radio** – 802.15.4 physical layer
- **Harness** – Power, ground and engine vibration sensor
- **Range** – 300ft line of sight



OEM
DATA DELIVERY

— OFF-HIGHWAY EQUIPMENT MANAGEMENT —

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CERTIFIED ISO 9001 / CERT# U.S.-1892A

10/2010

Remote Data Delivered Via Email, Password Protected Web Report, as well as Visual Maps and Graphs.

Equipment Utilization Hours & Fuel

Printed Date: 2/29/2008

Actual Beam Range: 02/19/2008 to 02/28/2008

Range Selected: 02/19/2008 to 02/28/2008

Equip#	Description	Start & End Date	Run/Idle Time	Start & End Work Hrs	Total Hours	Fuel Pumped	GPH
7315	CAT345C	02/20/08 to 02/28/08	26.07 11.17	1,632 to 1,669	37	470.5	12.63
1007	VOLVO L90C	02/19/08 to 02/27/08	23.80 10.20	13,138 to 13,172	34	163.0	4.79
1018	VOLVO L90C	02/19/08 to 02/28/08	18.03 7.73	13,312 to 13,338	26	103.7	4.03

Items to be Serviced

Printed Date: 3/3/2008

Hours until service is due: 50 or less

Equip.#	Description	Last Beam Date	Hours	Svc. Description	Sch.Hrs	Act.Hrs	Hrs.Remain
05018	CAT 330BL Hyd	02/18/2008 9:44:01AM	9,675	Grease U-Joints/Steer	50	0	50
09001	CAT D4 High T	02/19/2008 7:00:36AM	9,327	Grease U-Joints/Steer	50	47	3
				Hydraulic Oil	1,000	972	28
				Crankecase Breather	1,000	972	28

Abuse Data in Hours & Date

Printed Date: 3/3/2008

Equip#	Desc.	Start Date & Hours	End Date & Hours	High Eng.T.	High Hyd.T.	High Oil Pr.	High Hyd. T.	High Lift P.	Total Hours
228	Cat 815B	2/28 1993	3/2 2013				2/29 3		20
4432	I.R. SDIO	2/28 3612	3/2 3630		2/29 5				18

From: dbot@oemcontrols.com

Sent: Thursday, February 28, 2008 2:54 AM

To:

Subject: Service: Summary DBot: Items to be Serviced

Items to be Serviced

Equipment #	Description	Hours Until Next Service	Last Beam Date
2-539	250 hr. Service	27	2/25/2008 1:12:16 PM
2-542	250 hr. Service	-2	2/27/2008 7:57:48 AM
2-543	500 hr. Service	18	2/27/2008 7:57:48 AM

