



# TMS6/ BPA TRAINING

Log Viewer

[Quick Guide](#)

Quickly monitor and investigate Load Rack Operations. Also a handy reference for troubleshooting & research.

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Research Load Data

Use the Log Viewer utility in the Utilities menu to search the Trace log for the string: 'Load Spot' to view the products loaded.

The screenshot shows the Log Viewer application window. The 'Log to Search' section has 'Trace' selected. The search criteria are set to 'String/Pattern: Load Spot'. The search results are displayed in a table format with columns for Meter, Product, Type, Gross, Net, Temp, Dens, Pres, Calc, and Inj. The results show three load sequences, each with a 'Load Spot-RACK2 - LOADING' header. The first sequence is dated 05/02/13 09:38:38, the second is 05/02/13 11:03:31, and the third is 05/02/13 17:16:34. The products listed include DSL2 and REDDYE.

Meter	Product	Type	Gross	Net	Temp	Dens	Pres	Calc	Inj
020200	026202	PROD	000002300		10.0				0
020201	DSL2	RAW	000002300		10.0				0
020200	026209	PROD	000005000		4.6				0
020201	DSL2	RAW	000005000		4.6				0
020251	REDDYE	RAW	000002000		4.6				0
020200	026209	PROD	000003500		4.3				0
020201	DSL2	RAW	000003500		4.3				0
020251	REDDYE	RAW	000001400		4.3				0
*** LOAD SEQUENCE (000002627) COMPLETE ***									
05/02/13 11:03:31:228403 FtMacLeo:09536 bay_rcu - [BAY02]									
Load Spot-RACK2 - LOADING									
Driver-00000196 Carrier-0000001 Supplier- 000000001 Customer-000000001 Account-000000001 Destination									
Load Start-10:55 Trailer- Trailer2- Order- Trlog-0341									
Meter	Product	Type	Gross	Net	Temp	Dens	Pres	Calc	Inj
020200	026202	PROD	000000629		14.3				0
020201	DSL2	RAW	000000629		14.3				0
020200	026202	PROD	000001000		13.4				0
020201	DSL2	RAW	000001000		13.4				0
*** LOAD SEQUENCE (000002628) COMPLETE ***									
05/02/13 17:16:34:443572 FtMacLeo:09536 bay_rcu - [BAY02]									
Load Spot-RACK2 - LOADING									

Note: This also shows a blank density column, confirming that we do not read the density from some device at the rack. If Density or volume are retrieved from probes at the load rack, the retrieved data will also be located in the Load Spot. Otherwise, this info is programed on the Product Master, then the Tank Master.

## View Automated Tank Gauge information

Use the Log Viewer to see what the Automated Tank Gauge system is reporting directly to the TMS server:

The screenshot shows the Log Viewer application with the following search criteria:

- Log to Search:  Event  Trace  Audit  Send
- Date and Time: Start 06/05/2013 07:00, End 06/05/2013 09:59
- Search For: String/Pattern tvsmom

The log data includes entries such as:

```

05/06/13 07:00:06:660341 localhos:12808 tvsmom - process request >> cmd 5
05/06/13 07:00:06:660480 localhos:12808 tvsmom - Received from TVSXXX Tank (0501) Temperature -> 010.70 Gravity -> 999999
Prod_level -> 009240 Water_level -> 999999999 Gross -> 999999999 Net -> 999999999
Bottoms -> Gross To High -> 999999999 Vol Above Low -> 999999999 Ext. High Gross -> 999999999 Low Gross -> 999999999
Tank Status -> 9 Water Vol ->
05/06/13 07:00:06:661709 localhos:12808 tvsmom - Getting floating roof if applicable
05/06/13 07:00:06:664097 localhos:12808 tvsmom - TANKMGN sent to TMSFOLIO/TVSVIEW: cmds 0 status 0 tank 0501 type 0
: Prodlevel 9.240 gross qty 004339482, net qty 100435510, temp 010.70
Line_fill 999999999 Bottoms
05/06/13 07:00:06:664165 localhos:12808 tvsmom - After calc_tank Tank (0501) Temperature -> 010.70 Gravity -> 841.00
Prod_level -> 009240 Water_level -> 9999999 Gross -> 004339482 Net -> 100435510
Bottoms -> Line-Fill -> 999999999 Ext. High Gross -> Low Gross ->
Gross To High -> Vol Above Low -> Gross Vol Low ->
Tank Status -> Water Vol -> 000000000
05/06/13 07:00:06:665303 localhos:12808 tvsmom - Verify Low LEVEL: [9240 - 183] result [9057]
05/06/13 07:00:06:665377 localhos:12808 tvsmom - Verify Low LEVEL: [9240 - 183] result [9057]
05/06/13 07:00:06:665450 localhos:12808 tvsmom - Verify High LEVEL: [92 - 1406] result [-1314]
05/06/13 07:00:06:665519 localhos:12808 tvsmom - Verify High LEVEL: [92 - 1425] result [-1333]
05/06/13 07:00:07:854795 localhos:12808 tvsmom - process request >> cmd 5
05/06/13 07:00:07:854970 localhos:12808 tvsmom - Received from TVSXXX Tank (0502) Temperature -> 009.20 Gravity -> 999999
Prod_level -> 012640 Water_level -> 999999999 Gross -> 999999999 Net -> 999999999
Bottoms -> Line-Fill -> 999999999 Ext. High Gross -> 999999999 Low Gross -> 999999999
Gross To High -> 999999999 Vol Above Low -> 999999999 Gross Vol Low -> 999999999
Tank Status -> 9 Water Vol ->
    
```

The Log viewer is located under the Utilities menu.

Search from the 'Trace' log.

The log viewer takes a long time to return large amounts of data, so use the Date and Time Fields to narrow your search.

Search for the string 'tvsmom' to see the received data from the PLC.

The returned data will be organised by tank number.

## Gate Access

Use the log Viewer to see which Drivers were granted access to which gate.

The screenshot shows the Log Viewer application. On the left is a navigation tree with categories like Business, Product, Tank, Carrier, Load Bay, Status, End of Day (EOD), Transactions/Orders, Stock, Document Text, and Utilities. 'Log Viewer' is highlighted under Utilities. The main window has a 'Log to Search' section with radio buttons for 'Event', 'Trace' (selected), 'Audit', and 'Send'. A 'Max lines to retrieve' field is set to 20000. Below this is a 'Date and Time' section with 'Start' (08/31/2015, 00:00) and 'End' (08/31/2015, 23:59) fields. A 'Search For' section has radio buttons for 'Anything', 'Pattern Builder', and 'String/Pattern' (selected), with the text 'ACCESSED GATE' entered in the search field. The search results are displayed in a table with columns for date, time, ID, location, gate, and driver name.

Date	Time	ID	Location	Gate	Driver
08/31/15	00:44:32:877446	CNRCFL:05741	bay_rcu	- [BAY05]	(TAGEVENT) DRIVER (00000036-Nicholas MacIntyre)
08/31/15	01:12:25:833182	CNRCFL:05747	bay_rcu	- [BAY07]	(TAGEVENT) DRIVER (00000036-Nicholas MacIntyre)
08/31/15	04:27:33:924510	CNRCFL:05741	bay_rcu	- [BAY05]	(TAGEVENT) DRIVER (00011708-ANDRE BROWNE)
08/31/15	04:30:23:644918	CNRCFL:05747	bay_rcu	- [BAY07]	(TAGEVENT) DRIVER (00011708-ANDRE BROWNE)
08/31/15	05:09:37:401954	CNRCFL:05741	bay_rcu	- [BAY05]	(TAGEVENT) DRIVER (00000068-Graham Vye)
08/31/15	05:37:09:481544	CNRCFL:05741	bay_rcu	- [BAY05]	(TAGEVENT) DRIVER (00000096-Adam Smith)
08/31/15	05:57:00:830729	CNRCFL:05747	bay_rcu	- [BAY07]	(TAGEVENT) DRIVER (00011708-ANDRE BROWNE)
08/31/15	05:58:22:530435	CNRCFL:05747	bay_rcu	- [BAY07]	(TAGEVENT) DRIVER (00011708-ANDRE BROWNE)
08/31/15	06:46:28:183490	CNRCFL:05747	bay_rcu	- [BAY07]	(TAGEVENT) DRIVER (00011708-ANDRE BROWNE)
08/31/15	06:50:37:355332	CNRCFL:05747	bay_rcu	- [BAY07]	(TAGEVENT) DRIVER (00000068-Graham Vye)
08/31/15	06:53:48:216637	CNRCFL:05741	bay_rcu	- [BAY05]	(TAGEVENT) DRIVER (00011708-ANDRE BROWNE)

The Log viewer is located under the Utilities menu.

Search from the 'Trace' log by selecting the Trace radio button.

The log viewer takes a long time to return large amounts of data, so use the Date and Time Fields to narrow your search.

Search for the String/Pattern 'ACCESSED GATE' to see gate access info.

Use the refresh icon in the top right to retrieve the data.

The returned data will be organised by date, then time on the left.

## Alarms

Use the Log Viewer to view alarm data.

The screenshot shows the Log Viewer application. On the left is a tree view of applications, with 'Log Viewer' selected under the 'Utilities' menu. The main window has a search configuration area with the following settings:

- Log to Search:**  Trace,  Event,  Audit,  Send
- Date and Time:** Start: 08/31/2015 00:00, End: 08/31/2015 23:59
- Search For:**  String/Pattern,  Anything
- Search String:** ALARM
- Max lines to retrieve:** 20000

The search results are displayed in a list view with the following data:

```

08/31/15 06:01:27:064611 CNRCFL:09784 bay_rcu - [BAY01] [00] (08/31/15 06:01:44) PRESET 2 ADDITIVE 1, (*INJCT FLI) ADDITIVE AL
08/31/15 06:01:28:917004 CNRCFL:09786 unitmt1 - [0102] PRESET: *** ALARM CONDITION: ADDITIVE LEVEL ALARM INDICATED ! ***
08/31/15 06:01:28:918993 CNRCFL:09786 unitmt1 - [0102] PRESET: *** ALARM CONDITION: ADDITIVE METER (0) INJECTION ! ***
08/31/15 06:01:50:545776 CNRCFL:09786 unitmt1 - [0102] PRESET: *** ALARM CONDITION CLEARED ***
08/31/15 06:01:50:546442 CNRCFL:09786 unitmt1 - [0102] Clearing RACKSTAT ALARM 0000002 M0102 A6
08/31/15 06:01:50:548026 CNRCFL:09786 unitmt1 - [0102] Clearing RACKSTAT ALARM 0000002 M0102 P6
08/31/15 06:01:51:118977 CNRCFL:09784 bay_rcu - [BAY01] [00] (08/31/15 06:02:08) PRESET 2 ADDITIVE 1, (*INJCT FLI) ADDITIVE AL
08/31/15 06:03:34:251380 CNRCFL:09786 unitmt1 - [0102] PRESET: *** ALARM CONDITION: ADDITIVE LEVEL ALARM INDICATED ! ***
08/31/15 06:03:34:367989 CNRCFL:09784 bay_rcu - [BAY01] [00] (08/31/15 06:03:52) PRESET 2 ADDITIVE 1, (*INJCT FLI) ADDITIVE AL
    
```

The Log viewer is located under the Utilities menu.

Search from the 'Trace' log by selecting the Trace radio button.

The log viewer takes a long time to return large amounts of data, so use the Date and Time Fields to narrow your search.

Search for the String/Pattern 'ALARM' to see gate access info (case sensitive).

Use the refresh icon in the top right to retrieve the data.

The returned data will be organised by date, then time on the left.