

# **NEXTEST**

**P.O. BOX 67, MANVILLE, RI 02838  
(401) 658-5021 or (800) 858-9128**

Date: August 25, 2002

TO: Entergy  
Attn: Jeff Keene  
600 Rocky Hill Rd.  
Plymouth, MA 02360

RE: UST Testing

Dear Jeff,

A precision test was performed on tanks at the above location using the Alert 1000/4000 underfill system and/or the Alert 1050 ullage system. I have reviewed the data produced in conjunction with this for purposes of verifying the results and certifying the tank systems. Certifying is at the time of testing, and no implied warranty of tank or piping system. The testing was performed in accordance with the Alert protocol, and therefore satisfies all requirements for such testing as set forth by NFPA-329-92 and USEPA 40 CFR part 280.

The results of testing are shown on the following page. Included with the report are reproductions of data compiled during the test which formed the basis for these conclusions. This information is stored in a file for future verification of the test results as needed.

If you have any questions or would like further information, please call **NEXTEST** at (401) 658-5021.

Test Certified By,



Bryan Cournoyer  
Cert. # 2002013

**CC: Fire Dept.**

# NEXTEST

P.O. BOX 67, MANVILLE, RI 02838  
(401) 658-5021 or (800) 858-9128

TEST DATE: 8/12/02-8/14/02  
LOCATION: Entergy  
600 Rocky Hill Rd.  
Plymouth, MA 02360

## TANK TEST RESULTS

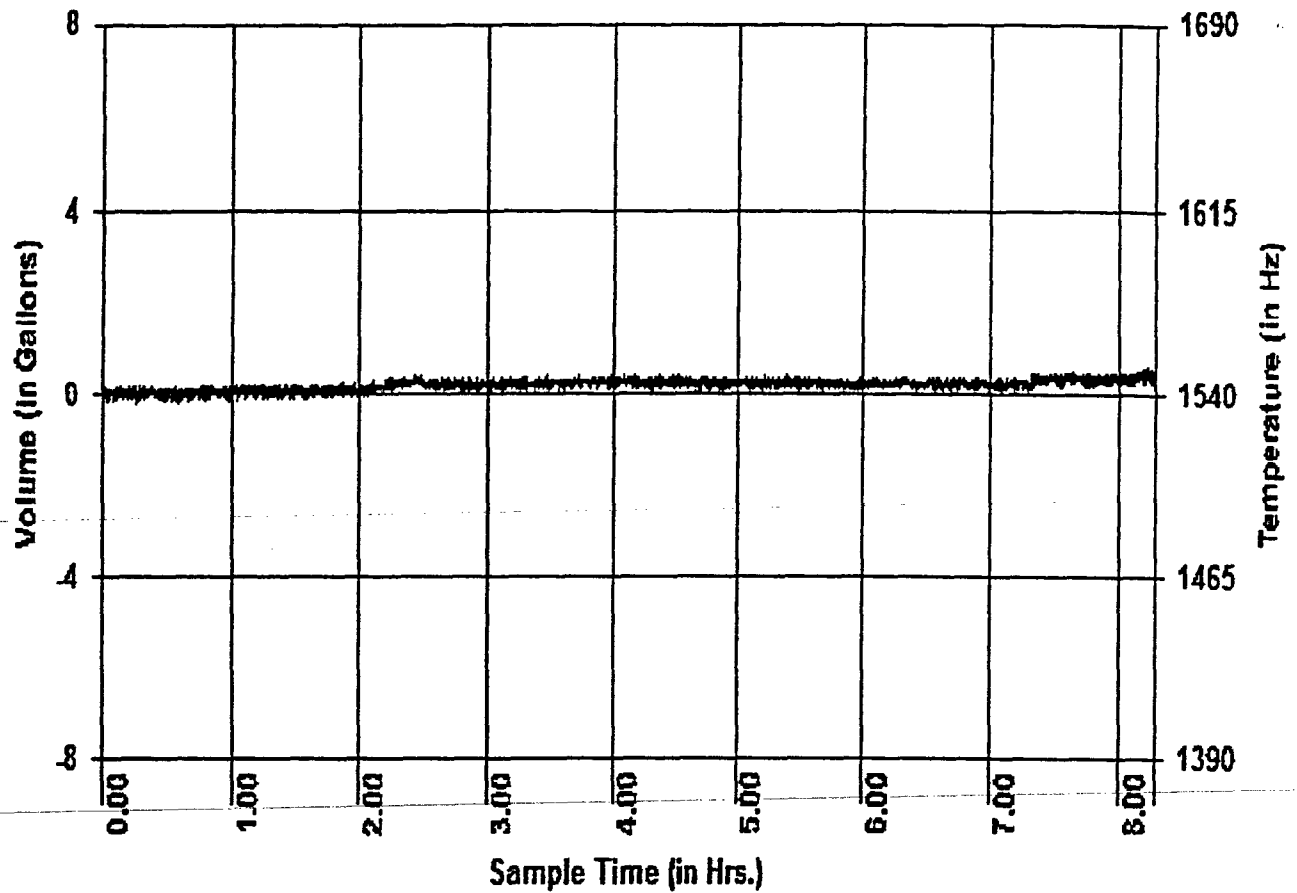
<u>PRODUCT</u>	<u>VOLUME</u>	<u>WATER</u> <u>(INCHES)</u>	<u>LEAK RATE</u>	<u>ULLAGE</u>	<u>CONCLUSION</u>
Emergency Diesel-B	25000	0.00	-0.037	PASS	PASS
Emergency Diesel-A	25000	0.00	-0.033	PASS	PASS
BlackOut Diesel-A	20000	0.00	-0.035	PASS	PASS
BlackOut Diesel-B	20000	0.00	-0.039	PASS	PASS

## LINE TEST RESULTS

<u>PRODUCT</u>	<u>POUNDS HELD</u>	<u>DURATION</u>	<u>CONCLUSION</u>
Emergency Diesel-B	1.0	5 Min	PASS
Emergency Diesel-A	1.0	5 Min	PASS
BlackOut Diesel-A	1.0	5 Min	PASS
BlackOut Diesel-B	1.0	5 Min	PASS

COMMENTS: PASS

# DataLogger Printout #Entergy 25-Aug-02



## Client/Operator Data

Client: Entergy  
 Address: 600 Rocky Hill Rd.  
 City, St: Plymouth MA 02360  
 Telephone: (508) 830-7876

Contractor: NEXTEST  
 Address: PO Box 67  
 City, St: Manville RI 02838  
 Telephone: (401) 658-5021

Operator: Bryan Courmoyer  
 Certification #: 2002013  
 Expiration Date: 2004

Tank #: 1  
 Tank Address: 600 Rocky Hill Rd.  
 City, St: Plymouth MA 02360

## Tank and Test Parameters

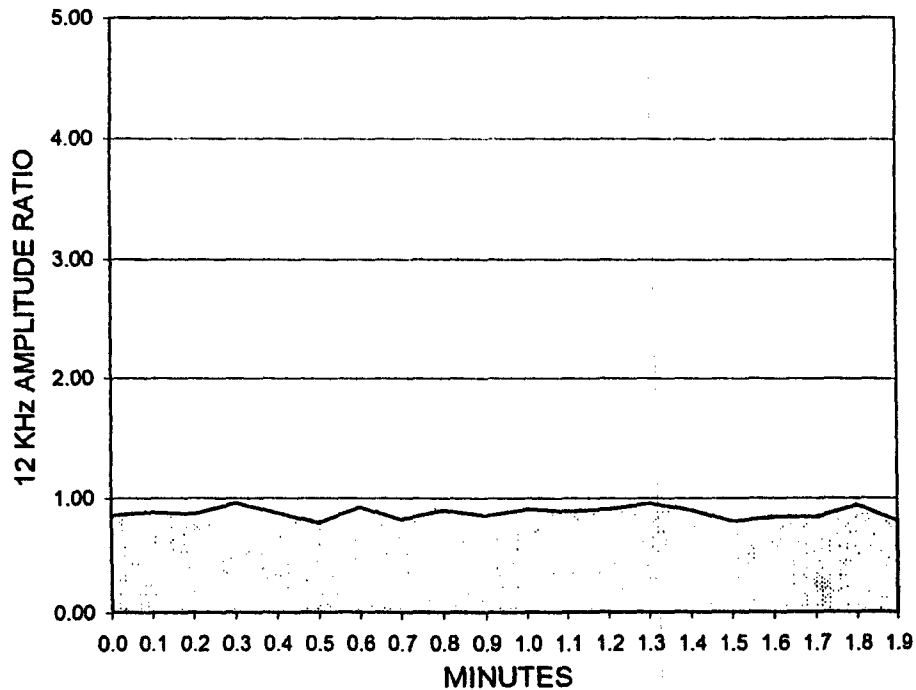
Tank Identification: Emergency Diesel-B  
 Product Type: Diesel  
 Tank Capacity: 25000  
 Product Level: 108  
 Water in Tank: 0  
 Water Level ATB: 0  
 Tank Material: Steel  
 Tank Manufacturer: N/A  
 Load Cell S/N: 232600000440  
 Probe S/N: 2a  
 Probe Length: 113.00 Inches  
 Test Duration (min): 21.004 Hours  
 Sample Time: 8.272 Hours  
 Product SGU: .84  
 Leak Rate (G/h): -0.037 G/h

# ALERT TECHNOLOGIES

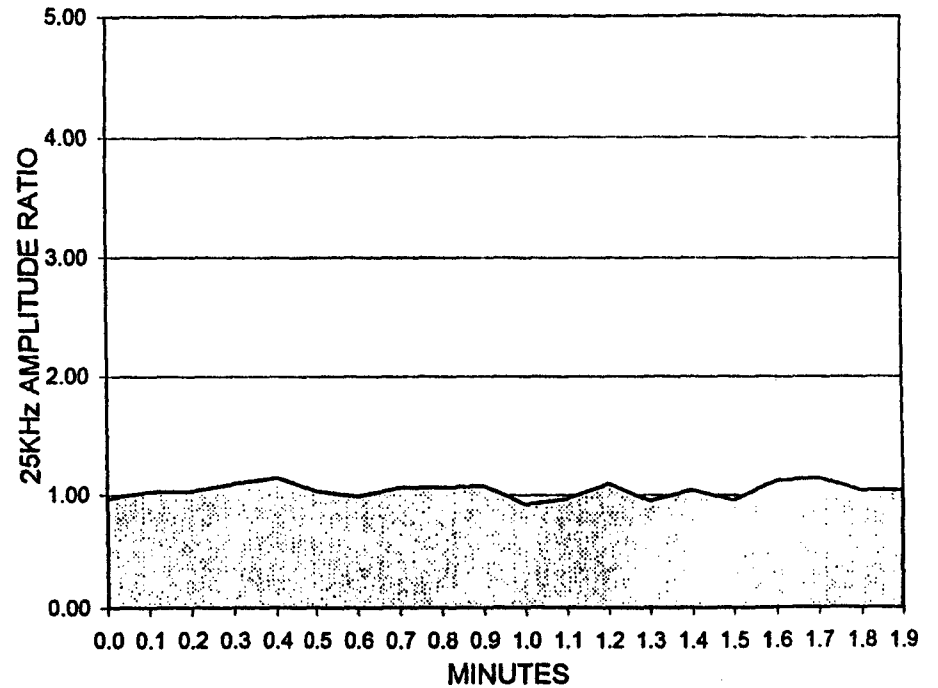
## PLOT OF ULLAGE TEST DATA

Entergy  
600 Rocky Hill Rd.  
Plymouth, MA 02360

BlackOut Diesel-B



12KHz DETECTION RATIO = 0.88



25KHz DETECTION RATIO = 1.04

TEST RESULT = GOOD

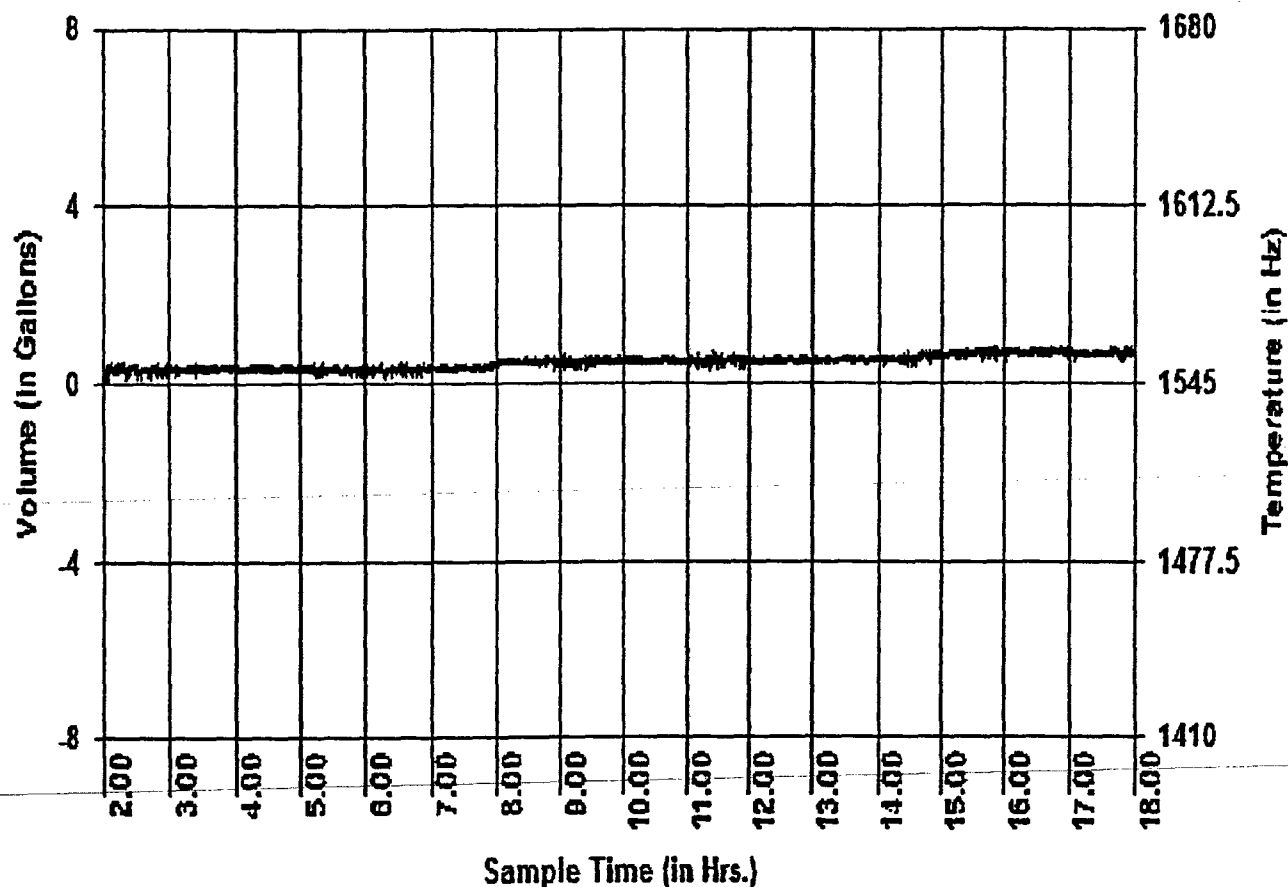
BEGINNING BOTTLE PRESSURE = 1100.0

BEGINNING TANK PRESSURE = -1.0

ENDING BOTTLE PRESSURE = 1000.0

ENDING TANK PRESSURE = -1.0

# DataLogger Printout #Entergy 25-Aug-02



## Client/Operator Data

Client: Entergy  
 Address: 600 Rocky Hill Rd.  
 City, St: Plymouth MA 02360  
 Telephone: (508) 830-7876

Contractor: NEXTEST  
 Address: PO Box 67  
 City, St: Manville RI 02838  
 Telephone: (401) 658-5021

Operator: Bryan Cournoyer  
 Certification #: 2002013  
 Expiration Date: 2004

Tank #: 2  
 Tank Address: 600 Rocky Hill Rd.  
 City, St: Plymouth MA 02360

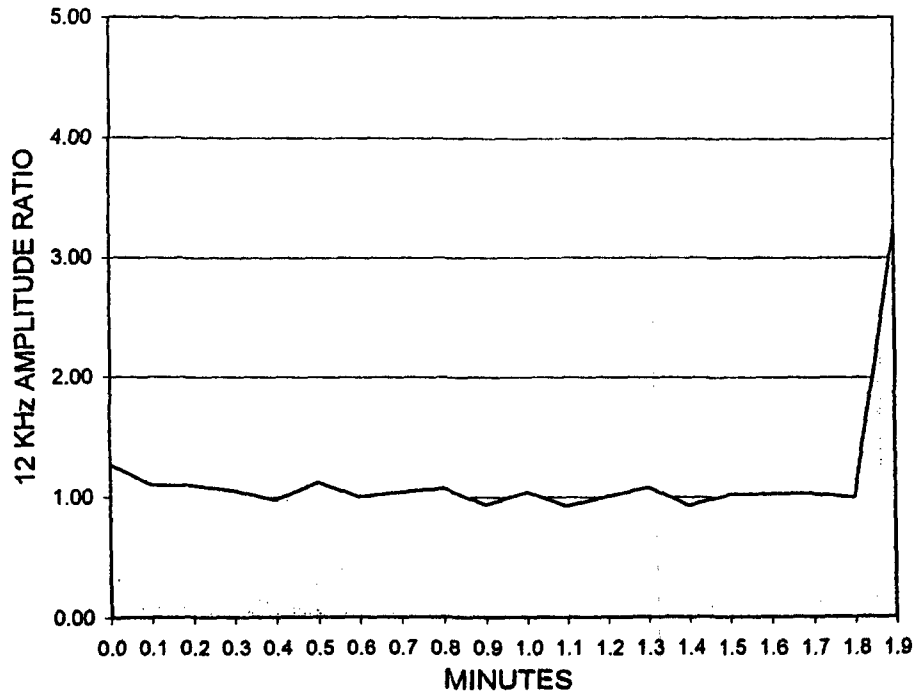
## Tank and Test Parameters

Tank Identification: Emergency Diesel-A  
 Product Type: Diesel  
 Tank Capacity: 25000  
 Product Level: 108  
 Water in Tank: 0  
 Water Level ATB: 0  
 Tank Material: Steel  
 Tank Manufacturer: N/A  
 Load Cell S/N: 230200000400  
 Probe S/N: 2a  
 Probe Length: 113.00 Inches  
 Test Duration (min): 21.004 Hours  
 Sample Time: 16 Hours  
 Product SGU: .84  
 Leak Rate (G/h): -0.033 G/h

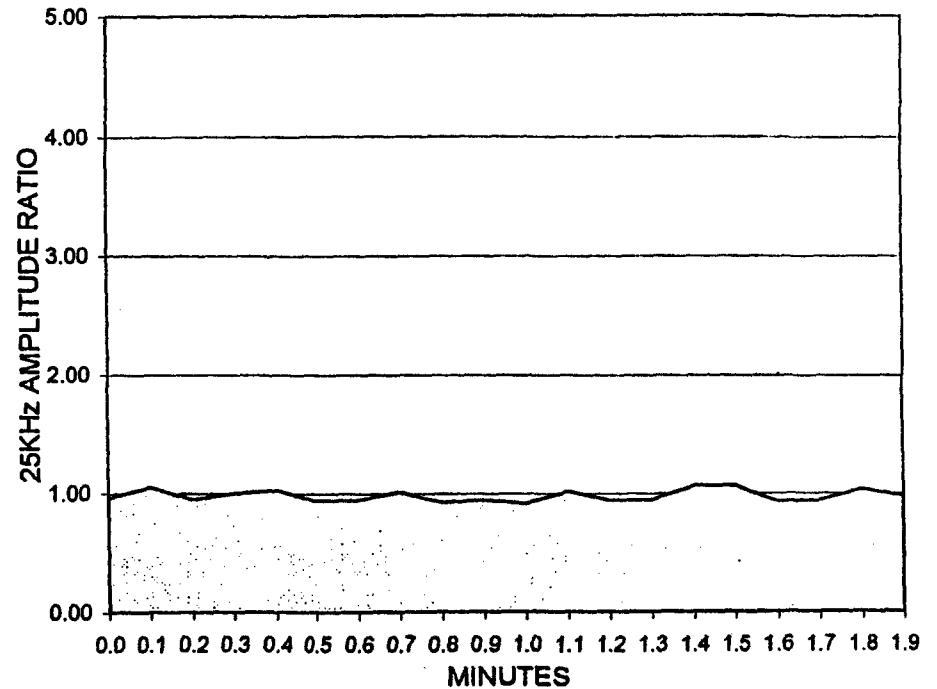
# ALERT TECHNOLOGIES

## PLOT OF ULLAGE TEST DATA

Entergy  
600 Rocky Hill Rd.  
Plymouth, MA 02360  
Emergency Diesel-A



12KHz DETECTION RATIO = 1.15



25KHz DETECTION RATIO = 0.98

TEST RESULT = GOOD

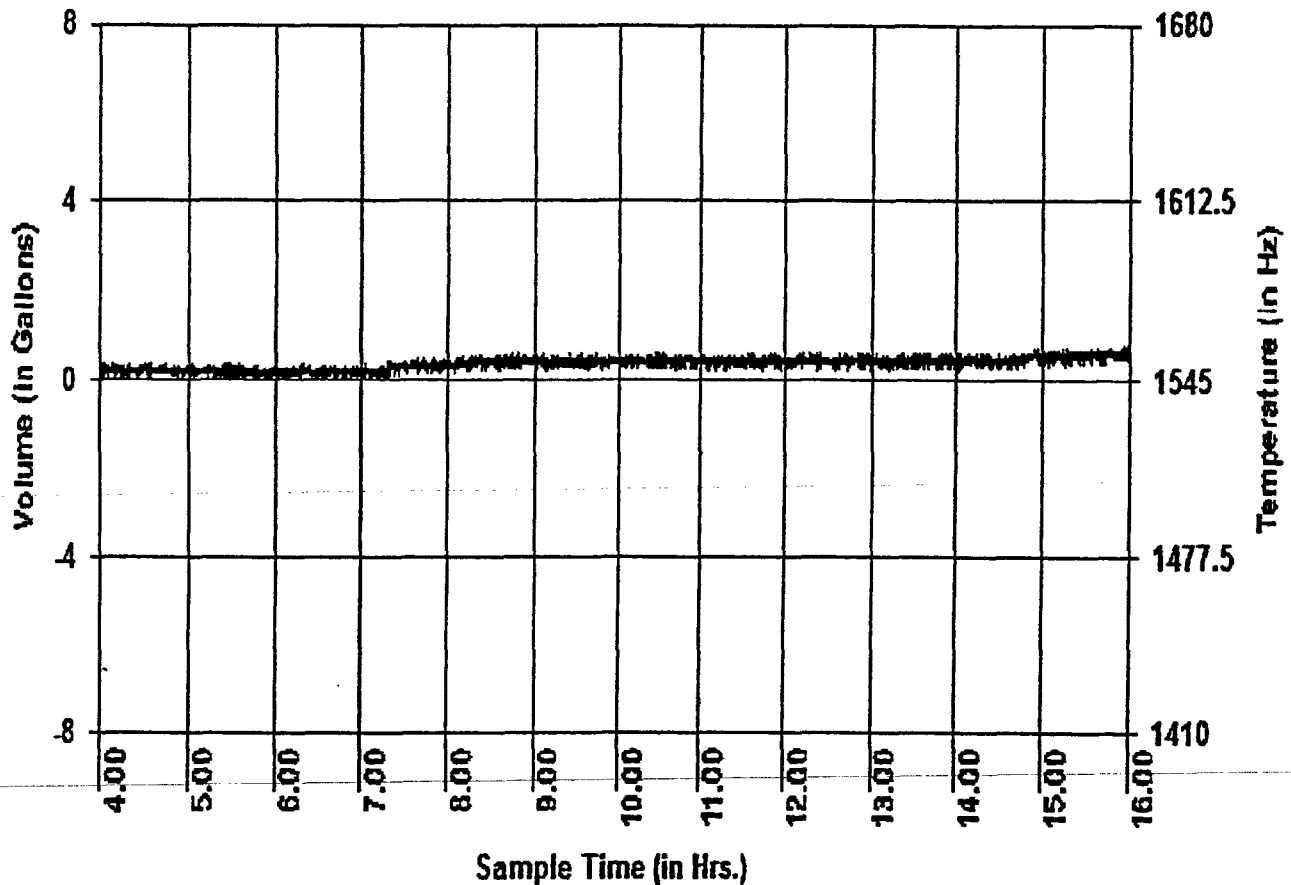
BEGINNING BOTTLE PRESSURE = 600.0

BEGINNING TANK PRESSURE = -1.0

ENDING BOTTLE PRESSURE = 500.0

ENDING TANK PRESSURE = -1.0

# DataLogger Printout #Entergy 25-Aug-02



## Client/Operator Data

Client: Entergy  
 Address: 600 Rocky Hill Rd.  
 City, St: Plymouth MA 02360  
 Telephone: (508) 830-7876

Contractor: NEXTEST  
 Address: PO Box 67  
 City, St: Manville RI 02838  
 Telephone: (401) 658-5021

Operator: Bryan Cournoyer  
 Certification #: 2002013  
 Expiration Date: 2004

Tank #: 3  
 Tank Address: 600 Rocky Hill Rd.  
 City, St: Plymouth MA 02360

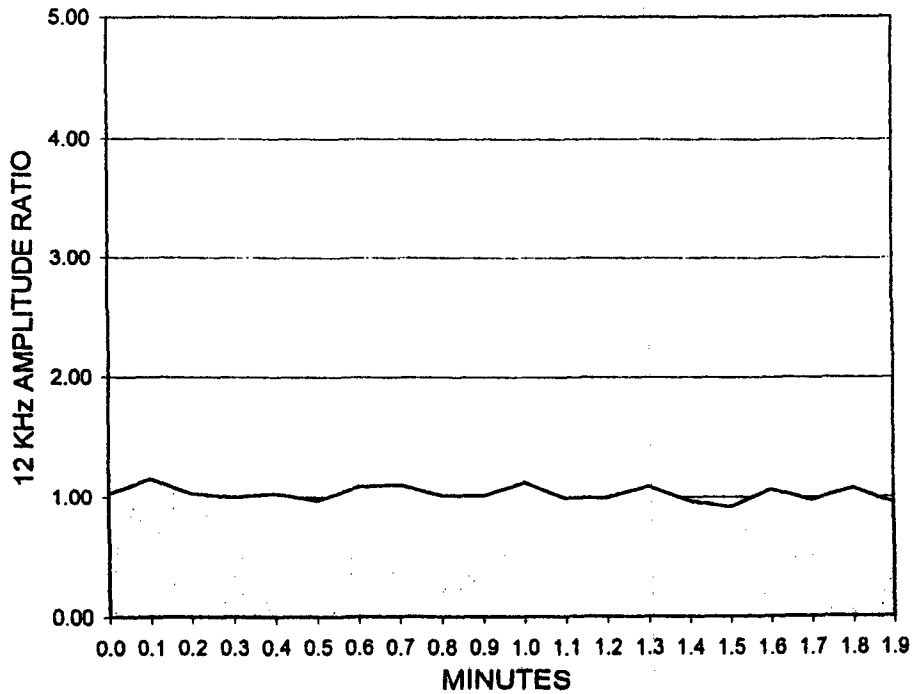
## Tank and Test Parameters

Tank Identification: BlackOut Diesel- A  
 Product Type: Diesel  
 Tank Capacity: 20000  
 Product Level: 91.5  
 Water in Tank: 0  
 Water Level ATB: 0  
 Tank Material: Fiberglass  
 Tank Manufacturer: N/A  
 Load Cell S/N: 232600000440  
 Probe S/N: 28  
 Probe Length: 89.00 Inches  
 Test Duration (min): 22.607 Hours  
 Sample Time: 12 Hours  
 Product SGU: .84  
 Leak Rate (G/h): -0.035 G/h

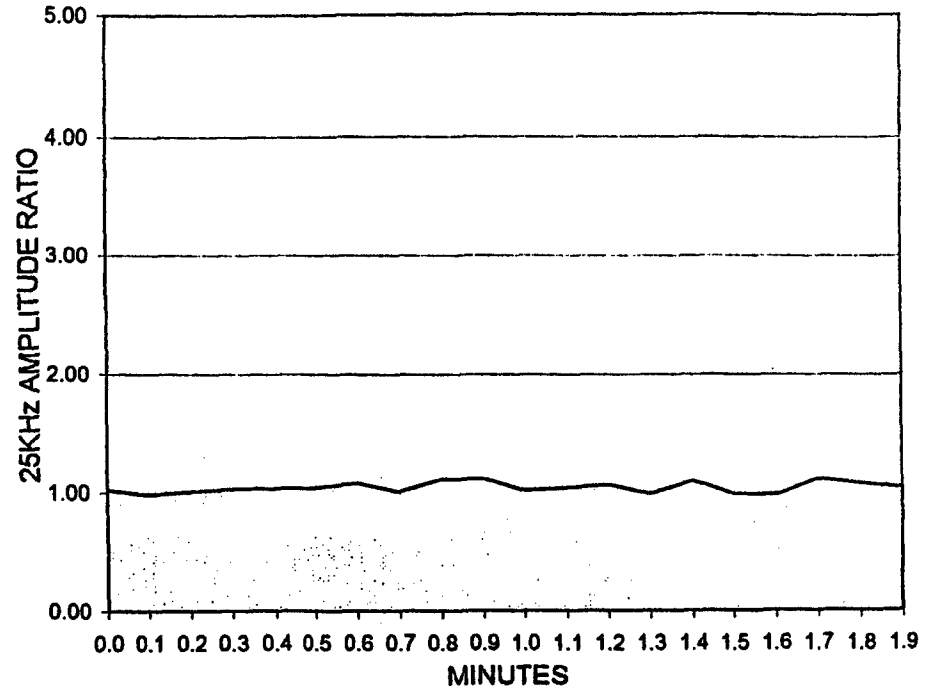
# ALERT TECHNOLOGIES

## PLOT OF ULLAGE TEST DATA

Entergy  
600 Rocky Hill Rd.  
Plymouth, MA 02360  
BlackOut Diesel -A



12KHz DETECTION RATIO = 1.03



25KHz DETECTION RATIO = 1.05

TEST RESULT = GOOD

BEGINNING BOTTLE PRESSURE = 1200.0

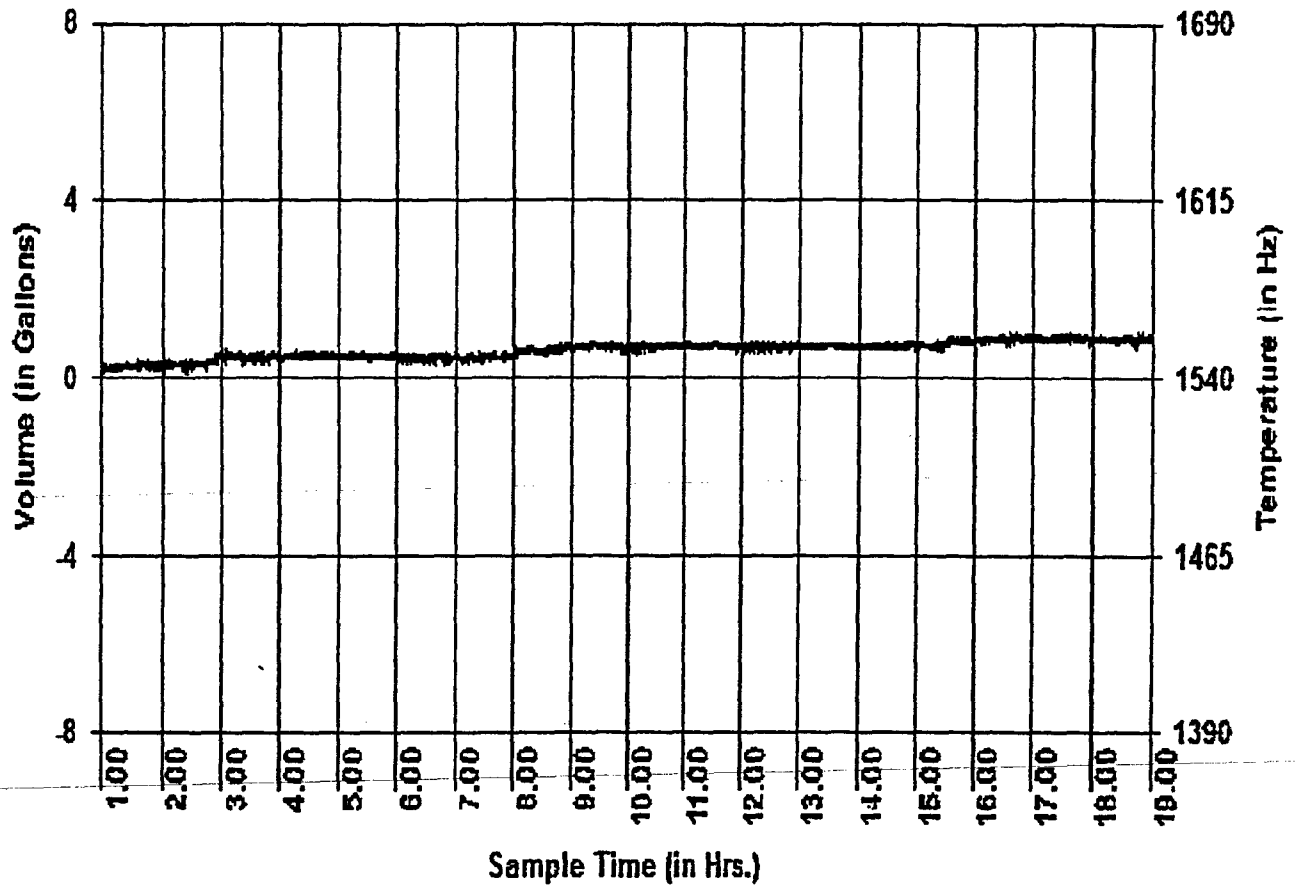
BEGINNING TANK PRESSURE = -1.0

ENDING BOTTLE PRESSURE = 1100.0

ENDING TANK PRESSURE = -1.0



# DataLogger Printout #Entergy 25-Aug-02



## Client/Operator Data

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 Telephone: (508) 830-7876

Contractor: NEXTEST  
 Address: PO Box 67  
 City, St: Manville RI 02838  
 Telephone: (401) 658-5021

Operator: Bryan Cournoyer  
 Certification #: 2002013  
 Expiration Date: 2004

Tank #: 4  
 Tank Address: 600 Rocky Hill Rd.  
 City, St: Plymouth MA 02360

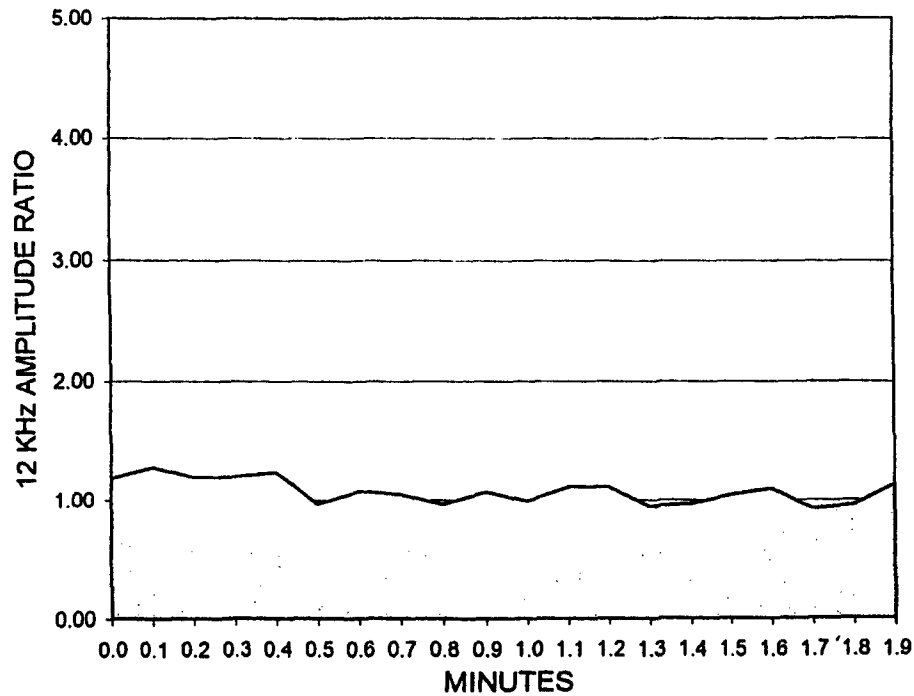
## Tank and Test Parameters

Tank Identification: BlackOut Diesel- B  
 Product Type: Diesel  
 Tank Capacity: 20000  
 Product Level: 99  
 Water in Tank: 0  
 Water Level ATB: 0  
 Tank Material: Fiberglass  
 Tank Manufacturer: N/A  
 Load Cell S/N: 230200000400  
 Probe S/N: 28  
 Probe Length: 89.00 Inches  
 Test Duration (min): 22.607 Hours  
 Sample Time: 18 Hours  
 Product SGU: .84  
 Leak Rate (G/h): -0.039 G/h

# ALERT TECHNOLOGIES

## PLOT OF ULLAGE TEST DATA

Entergy  
600 Rocky Hill Rd.  
Plymouth, MA 02360  
Emergency Diesel-B

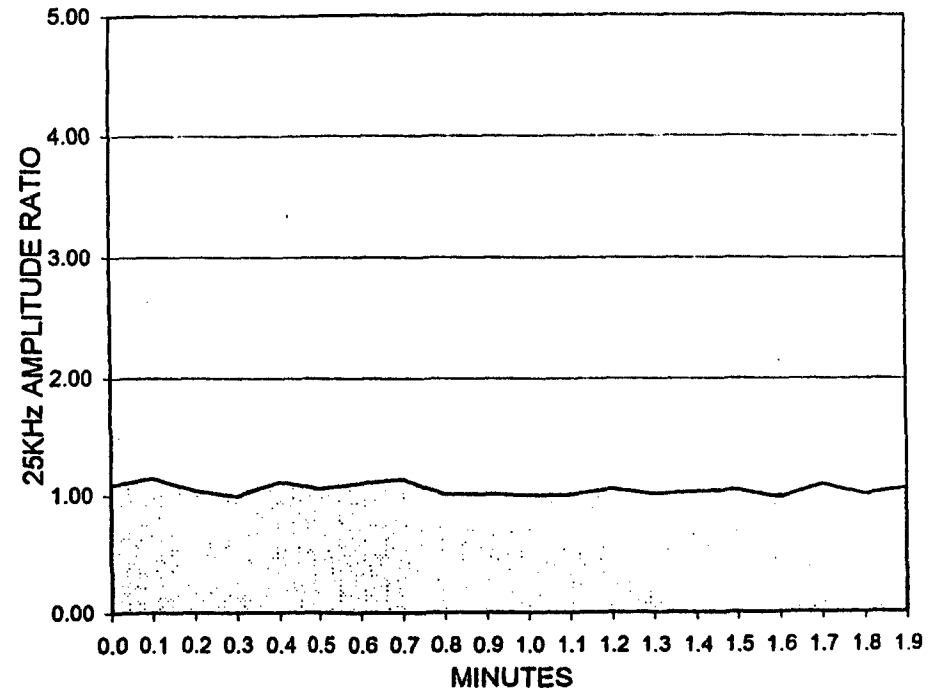


12KHz DETECTION RATIO = 1.07

TEST RESULT = GOOD

BEGINNING BOTTLE PRESSURE = 700.0

BEGINNING TANK PRESSURE = -1.0



25KHz DETECTION RATIO = 1.05

ENDING BOTTLE PRESSURE = 600.0

ENDING TANK PRESSURE = -1.0