

Mr. Dan Searcy  
Ventura County Air Pollution Control District  
Compliance Division, 2<sup>nd</sup> Floor  
669 County Square Drive  
Ventura, CA 93003

February 8, 2014

Subject: Crimson Pipeline, L.P.  
Harbor Station, Permit No. 00082  
Annual Title V Report 2013

*Handwritten notes in red ink:*  
APCD  
1/15/14  
1/16/14  
1/17/14  
1/18/14  
1/19/14  
1/20/14  
1/21/14  
1/22/14  
1/23/14  
1/24/14  
1/25/14  
1/26/14  
1/27/14  
1/28/14  
1/29/14  
1/30/14  
1/31/14

Mr. Searcy:

Please find enclosed the Annual Title V Report for the Crimson Pipeline, L.P. Harbor Station facility, VCAPCD Permit Number 00082.

If you have any questions, please do not hesitate to contact me at (562) 997-3087.

Respectfully,



Valerie Muller  
Beacon Energy Services, Inc.

cc: Mr. Gerardo Rios, Chief, EPA Region 9  
Crimson Pipeline, L.P.

Attachments: Annual Title V Report 1/1/2013 - 12/31/2013, Harbor Station Facility (00082)



Ventura County  
Air Pollution  
Control District

**ANNUAL COMPLIANCE CERTIFICATION  
SIGNATURE COVER FORM**

A copy of each Annual Compliance Certification shall be submitted to EPA, Region 9, at the following address:



Mr. Gerardo Rios, Chief  
Permits Office (AIR-3)  
Office of Air Division  
EPA Region 9  
75 Hawthorne Street  
San Francisco, CA 94105

**Confidentiality**

All information in a Part 70 permit compliance certification is public information. The Part 70 permit is also public information.

**Certification by Responsible Official**

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in this compliance certification are true, accurate, and complete.

Signature and Title of Responsible Official:  Title: President	Date: 
---	--

Time Period Covered by Compliance Certification <u>01</u> / <u>01</u> / <u>2013</u> (MM/DD/YY) to <u>12</u> / <u>31</u> / <u>2013</u> (MM/DD/YY)
---



## ANNUAL COMPLIANCE CERTIFICATION PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 01 / 01 / 13 (MM/DD/YY) to 12 / 31 / 13 (MM/DD/YY)

<p>A. Attachment # or Permit Condition #: Attachment No. 71.2N2, Rules 71.2.B.4, 71.2.C.1</p>	<p>D. Frequency of monitoring: Annually</p>
<p>B. Description: External floating roof crude oil storage tank ≥ 40,000 gallons Rules 71.2.B.4, 71.2.C.1, 71.2.D, 71.2.E</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable Rule 71.2 Inspection</p>
<p>C. Method of monitoring: Primary and secondary seals were inspected on 5/28/2013.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>I</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: Attachment No. 71.4N1, Rules 71.4.B.2, 71.4.C.2</p>	<p>D. Frequency of monitoring: Quarterly</p>
<p>B. Description: Sumps, pits, and ponds with covers. Fugitive emissions monitoring and integrity of cover.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable EPA Method 21</p>
<p>C. Method of monitoring: Quarterly fugitive emissions (Rule 74.10) inspections using EPA Method 21 were conducted and reported on 3/25/2013, 4/11/2013, 8/22/2013, and 10/17/2013. The integrity of the cover has been verified. No leaks greater than 10,000 ppm were discovered.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>I</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: Attachment No. 74.9N3, Rule 74.9.B.1 and B.2</p>	<p>D. Frequency of monitoring: Quarterly</p>
<p>B. Description: Stationary natural gas-fired rich-burn internal combustion engine quarterly inspections and biennial source test.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable CARB Method 100</p>
<p>C. Method of monitoring: Quarterly inspections were conducted using CARB 100 emissions test protocol on Engine G-1 (Caterpillar) and Engine G-3 (Enterprise) on 6/3/2013, 9/26/2013, and 11/26/2013. The biennial source test for both engines was conducted 1/23/2013.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>I</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>



## ANNUAL COMPLIANCE CERTIFICATION PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 01 / 01 / 13 (MM/DD/YY) to 12 / 31 / 13 (MM/DD/YY)

<p>A. Attachment # or Permit Condition # Attachments No. P00082PC1, Cond. No. 2, Rule 26</p>	<p>D. Frequency of monitoring: Intermittent</p>
<p>B. Description: Combustion equipment shall only burn natural gas.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</p>
<p>C. Method of monitoring: Combustion equipment only burns natural gas per Fuel Usage Log.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u>            G. Compliance Status? (C or I): <u>I</u>            H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u>            *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition # Attachment No. P00082PC1, Cond. No. 3, Rule 29</p>	<p>D. Frequency of monitoring: Monthly</p>
<p>B. Description: Solvent purchase and usage logs for solvent cleaning activities.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</p>
<p>C. Method of monitoring: All cleaning is conducted with low-VOC solvents. Logs are updated on a monthly basis.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u>            G. Compliance Status? (C or I): <u>I</u>            H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u>            *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: Attachment No. P00082PC2, Rules 26 and 74.9</p>	<p>D. Frequency of monitoring: Quarterly</p>
<p>B. Description: BACT for Caterpillar engine - emissions limits (ROC, NOx, CO). Monitor air:fuel ratio controller readings quarterly.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable CARB Method 100</p>
<p>C. Method of monitoring: The biennial source test using CARB Method 100 was conducted on January 23, 2013 for both engines G-1 and G-3. Air:fuel ratio controller readings are monitored and recorded hourly when engine is in use.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u>            G. Compliance Status? (C or I): <u>I</u>            H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u>            *If yes, attach Deviation Summary Form</p>



## ANNUAL COMPLIANCE CERTIFICATION PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 01 / 01 / 13 (MM/DD/YY) to 12 / 31 / 13 (MM/DD/YY)

<p>A. Attachment # or Permit Condition #: Attachment No. 50, Rule 50</p>	<p>D. Frequency of monitoring: Intermittent</p>
<p>B. Description: Opacity observations at the facility.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable EPA Method 9</p>
<p>C. Method of monitoring: Opacity surveillance and visual inspections of emissions are conducted at the facility. Formal survey logs are attached.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u></p> <p>G. Compliance Status? (C or I): <u>I</u></p> <p>H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u></p> <p>*If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: Attachment No. 74.10, Rule 74.10</p>	<p>D. Frequency of monitoring: Quarterly</p>
<p>B. Description: Leaking component inspections at crude oil and natural gas production and processing facilities.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable EPA Method 21</p>
<p>C. Method of monitoring: Quarterly inspections of components were conducted and reported on 3/25/2013, 4/11/2013, 8/22/2013, and 10/17/2013. . Daily inspections were conducted and logged.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u></p> <p>G. Compliance Status? (C or I): <u>I</u></p> <p>H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u></p> <p>*If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: Attachment No. P00082C1, Condition No. 1, Rule 26</p>	<p>D. Frequency of monitoring: Monthly</p>
<p>B. Description: Monthly records of throughput and consumption.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</p>
<p>C. Method of monitoring: Throughput and consumption records are maintained. Permit limit for Engine #3 (Enterprise) is 25 MMCF/year. There is no limit for Engine #1 (Caterpillar). Total throughput for both engines for the covered period is 13,354,650 CF.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u></p> <p>G. Compliance Status? (C or I): <u>I</u></p> <p>H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u></p> <p>*If yes, attach Deviation Summary Form</p>



## ANNUAL COMPLIANCE CERTIFICATION PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 01 / 01 / 13 (MM/DD/YY) to 12 / 31 / 13 (MM/DD/YY)

<p>A. Attachment # or Permit Condition #: Attachment No. 52, Rule 52</p>	<p>D. Frequency of monitoring: N/A</p>
<p>B. Description: Particulate matter concentration</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</p>
<p>C. Method of monitoring: No periodic monitoring required. Reference District Analysis of Rule 52 compliance based on EPA emission factors.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u>  G. Compliance Status? (C or I): <u>I</u>  H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u>  *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: Attachment No. 54.B.1, Rule 54.B.1</p>	<p>D. Frequency of monitoring: Intermittent</p>
<p>B. Description: Sulfur emissions from Combustion operations at point of discharge; follow monitoring requirements under Rule 64.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</p>
<p>C. Method of monitoring: Facility follows monitoring requirements under Rule 64. Only PUC-grade natural gas is combusted at the facility. No additional periodic monitoring is required.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u>  G. Compliance Status? (C or I): <u>I</u>  H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u>  *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: Attachment No. 54.B.2, Rule 54.B.2</p>	<p>D. Frequency of monitoring: Intermittent</p>
<p>B. Description: Sulfur dioxide concentration at ground level.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</p>
<p>C. Method of monitoring: Only PUC-grade natural gas is combusted at this facility.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u>  G. Compliance Status? (C or I): <u>I</u>  H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u>  *If yes, attach Deviation Summary Form</p>



## ANNUAL COMPLIANCE CERTIFICATION PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 01 / 01 / 13 (MM/DD/YY) to 12 / 31 / 13 (MM/DD/YY)

<p>A. Attachment # or Permit Condition #: Attachment No. 57.B, Rule 57.B</p>	<p>D. Frequency of monitoring: Intermittent</p>
<p>B. Description: Combustion contaminants</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</p>
<p>C. Method of monitoring: No periodic monitoring is required. Reference District analysis based upon EPA emission factors and representative source test.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u></p> <p>G. Compliance Status? (C or I): <u>I</u></p> <p>H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u></p> <p>*If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: Attachment No. 64.B.1, Rule 64.B.1</p>	<p>D. Frequency of monitoring: Intermittent</p>
<p>B. Description: Sulfur content of fuels - gaseous fuel requirements</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</p>
<p>C. Method of monitoring: Only PUC-grade natural gas is combusted at this facility. No periodic monitoring is required.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u></p> <p>G. Compliance Status? (C or I): <u>I</u></p> <p>H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u></p> <p>*If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: Attachment No 74.6, Rule 74.6</p>	<p>D. Frequency of monitoring: Intermittent</p>
<p>B. Description: Solvent cleaning activities</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</p>
<p>C. Method of monitoring: No solvents have been used at the facility during the compliance period.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u></p> <p>G. Compliance Status? (C or I): <u>I</u></p> <p>H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u></p> <p>*If yes, attach Deviation Summary Form</p>





## ANNUAL COMPLIANCE CERTIFICATION PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 01 / 01 / 13 (MM/DD/YY) to 12 / 31 / 13 (MM/DD/YY)

<p>A. Attachment # or Permit Condition #: Attachment No 74.1, Rule 74.1</p>	<p>D. Frequency of monitoring: Intermittent</p>
<p>B. Description: Abrasive blasting</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</p>
<p>C. Method of monitoring: The facility did not conduct any abrasive blasting activities during the covered period.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u>            G. Compliance Status? (C or I): <u>I</u>            H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u>            *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: Attachment No 74.2, Rule 74.1</p>	<p>D. Frequency of monitoring: Monthly</p>
<p>B. Description: Architectural coatings</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</p>
<p>C. Method of monitoring: Documentation of VOC content and usage of architectural coatings is maintained for the facility and updated monthly.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u>            G. Compliance Status? (C or I): <u>I</u>            H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u>            *If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: Attachment No. 74.26, Rule 74.26</p>	<p>D. Frequency of monitoring: Intermittent</p>
<p>B. Description: Crude oil storage tank degassing operations</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</p>
<p>C. Method of monitoring: No crude oil storage tank degassing activities were conducted at this facility during the covered period.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u>            G. Compliance Status? (C or I): <u>I</u>            H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u>            *If yes, attach Deviation Summary Form</p>





## ANNUAL COMPLIANCE CERTIFICATION PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 01 / 01 / 13 (MM/DD/YY) to 12 / 31 / 13 (MM/DD/YY)

<p>A. Attachment # or Permit Condition #: Attachment No. 74.29, Rule 74.29</p>	<p>D. Frequency of monitoring: Intermittent</p>
<p>B. Description: Soil Decontamination Operation</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</p>
<p>C. Method of monitoring: No soil decontamination activities were conducted at this facility during the covered time period.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u></p> <p>G. Compliance Status? (C or I): <u>I</u></p> <p>H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u></p> <p>*If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: 40 CFR 61.M</p>	<p>D. Frequency of monitoring: Intermittent</p>
<p>B. Description: National emission standards for asbestos</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</p>
<p>C. Method of monitoring: A small amount of asbestos was removed during the demolition and subsequent removal of a COST. All applicable rules and regulations were followed. A licensed and certified contractor was hired to perform all asbestos-related work. Detailed information is available upon request.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u></p> <p>G. Compliance Status? (C or I): <u>I</u></p> <p>H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u></p> <p>*If yes, attach Deviation Summary Form</p>

<p>A. Attachment # or Permit Condition #: Attachment No. 74.11.1</p>	<p>D. Frequency of monitoring: N/A</p>
<p>B. Description: Large water heaters and small boilers</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</p>
<p>C. Method of monitoring: The facility is not equipped with large water heaters or small boilers.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u></p> <p>G. Compliance Status? (C or I): <u>I</u></p> <p>H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u></p> <p>*If yes, attach Deviation Summary Form</p>



## ANNUAL COMPLIANCE CERTIFICATION PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 01 / 01 / 13 (MM/DD/YY) to 12 / 31 / 13 (MM/DD/YY)

<p>A. Attachment # or Permit Condition #: Attachment No. 55, Rule 55</p>	<p>D. Frequency of monitoring: Annually</p>
<p>B. Description: Fugitive Dust.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</p>
<p>C. Method of monitoring: Annual review of facilities by management confirm that this facility does not have conditions subject to this regulation. MOC procedure for changes in facilities ensures any new conditions will comply.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u></p> <p>G. Compliance Status? (C or I): <u>I</u></p> <p>H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>
<p>A. Attachment # or Permit Condition #: Attachment 57.1, Rule 57.1</p>	<p>D. Frequency of monitoring: N/A</p>
<p>B. Description: Particulate Matter Emissions From Fuel Burning Equipment</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable Rule 57.B District Analysis dated December 3, 1997</p>
<p>C. Method of monitoring: The facility is in compliance based on Rule 57.B District Analysis dated December 3, 1997.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u></p> <p>G. Compliance Status? (C or I): <u>C</u></p> <p>H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>
<p>A. Attachment # or Permit Condition #: Attachment 74.22, Rule 74.22</p>	<p>D. Frequency of monitoring: Annually</p>
<p>B. Description: Requirements for natural gas-fired fan-type central furnaces</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</p>
<p>C. Method of monitoring: Annual review of facilities by management confirm that this facility does not have equipment subject to this regulation. MOC procedure for new equipment ensures any new equipment will comply.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u></p> <p>G. Compliance Status? (C or I): <u>I</u></p> <p>H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>

VENTURA COUNTY AIR POLLUTION CONTROL DISTRICT  
RULE 71.2 INSPECTION REPORT

\*\*PLEASE COMPLETE FORM LEGIBLY IN BLACK INK\*\*

Created by Beacon Energy Services, Inc.

Tank No. 305 Permit No. 00082 Inspection Date 5/28/2013 Time 1:07pm

Is this a Follow-up Inspection? Yes  No  If yes, Date of Previous Inspection: \_\_\_\_\_

A. COMPANY INFORMATION:

Company Name Crimson Pipeline L.P.  
Location Address 1200 Spinkar Road City Ventura Zip 93003  
Mailing Address 210 North 12th Street City Santa Paula Zip 93060  
Contact Person Greg Fussel Title Supervisor  
Phone 805-223-6850

B. INSPECTION CONDUCTED BY:

Name Matthew Story Title Inspector  
Company Name Beacon Energy Services, Inc. Phone 562-997-3087  
Mailing Address 2685 Temple ave. City Signal Hill Zip 90755

C. TANK INFORMATION:

Capacity 150,000 Installation Date \_\_\_\_\_ Diameter 150' Ht. 51'  
Product Type Crude Product RVP 3.8  
Type of Tank  Riveted  Welded  Other (Describe) \_\_\_\_\_  
Color of Shell White Color of Roof White  
Roof Type  Pontoon  Double Deck  Other (Describe) \_\_\_\_\_  
 External floating roof  Internal floating roof

D. GROUND LEVEL INSPECTION:

1) Product Temperature 76 Degress F Product Level 24' - 7"  
3) List type and location of leaks found in tank shell. \_\_\_\_\_  
No leaks found in shell

E. INTERNAL FLOATING ROOF TANK:

NA 1) Check vapor space between floating roof and fixed roof with explosimeter. \_\_\_\_\_ % LEL  
2) Conduct visual inspection of roofs and secondary seals, if applicable.  
3) Are all roof openings covered?  No  Yes  
If no, explain in comments section (J) and proceed to part (H)(6)

F. EXTERNAL FLOATING ROOF TANK:

1) On the diagram (attached) indicate the location of the ladder, roof drain(s), anti-rotation device(s), platform, gauge well, vents or other appurtenances. Note information relative to North (to the top of the worksheet)  
2) Identify any tears in the seal fabric. Describe and indicate on diagram (attached)

No tears in fabric found

3) If this is an In-Service External Floating seal inspection, record the LEL% reading within 3 feet of the seal LEL 0%

**VENTURA COUNTY AIR POLLUTION CONTROL DISTRICT  
RULE 71.2 INSPECTION REPORT**

Tank No. 305 Permit No. 00082

**G. FROM GAUGER PLATFORM:**

- 1) Observe the entire floating roof:
- |                                      |  |                              |                             |
|--------------------------------------|--|------------------------------|-----------------------------|
| Is the roof badly warped or buckled? | No <input checked="" type="checkbox"/> | Yes <input type="checkbox"/> | NA <input type="checkbox"/> |
| Is there any obvious damage?         | No <input checked="" type="checkbox"/> | Yes <input type="checkbox"/> | NA <input type="checkbox"/> |
- 2) Are there liquid hydrocarbons on the roof? No  Yes  NA
- 3) Is there water ponding on the roof? No  Yes  NA
- Occasionally pools of water are usually a result of inadequate slope for damage or from a leaky geodesic dome roof. These do not become a hazard unless the roof drain system is not flowing freely or unless the water covers over half the roof.
- 4) For an External Floating Roof, is the bonding cable at the top of the rolling ladder in deteriorated condition? No  Yes  NA

**H. SEAL INSPECTION:**

**1) Secondary Seal Inspection**

- a) Type of Secondary Seal: Double Layered Wiper
- b) Does 1/2" probe drop past seal? No  Yes  If yes, measure length(s) and show on diagram
- c) Does 1/8" probe drop past seal? No  Yes  If yes, measure length(s) and show on diagram
- d) Record dimensions for gaps > 1/8" 0 >1/2" 0

*\*NOTE: Record the actual width and cumulative length of gaps in feet and inches. Do not include >1/8" gaps in 1/2" measures*

**2) Primary Seal Inspection**

- a) Type of Primary Seal: Shoe  Tube  Other
- b) (shoe seal) does 1-1/2" probe drop past seal? No  Yes  If yes, measure length(s) and show on diagram
- c) (shoe seal) does 1/2" probe drop past seal? No  Yes  If yes, measure length(s) and show on diagram
- d) (tube seal) does 1/2" probe drop past seal? No  Yes  If yes, measure length(s) and show on diagram
- e) (all seal types) does 1/8" probe drop past seal? No  Yes  If yes, measure length(s) and show on diagram
- f) Record dimensions of gaps for gaps > 1/8" 0 >1/2" 0 >1-1/2" 0

*\*NOTE: Record the actual width and cumulative length of gaps in feet and inches. Do not include 1/8" 1/2" gaps in 1-1/2 measurements*

*\*NOTE: Record the actual width and cumulative length of gaps in feet and inches. Do not include >1/8" gaps in 1/2" measures*

NA

**VENTURA COUNTY AIR POLLUTION CONTROL DISTRICT  
RULE 71.2 INSPECTION REPORT**

Tank No. 305 Permit No. 00082

**I. CALCULATIONS - Complete all applicable portions of the following:**

Gaps in <u>Primary Seal</u> between 1/8" and 1/2"	<u>0</u> (feet)	<u>0</u> (Inches)
Gaps in <u>Primary Seal</u> between 1/2" and 1-1/2"	<u>0</u> (feet)	<u>0</u> (Inches)
Gaps in <u>Primary Seal</u> greater than 1-1/2"	<u>0</u> (feet)	<u>0</u> (Inches)
Gaps in <u>Secondary Seal</u> between 1/8" and 1/2"	<u>0</u> (feet)	<u>0</u> (Inches)
Gaps in <u>Secondary Seal</u> > 1/2"	<u>0</u> (feet)	<u>0</u> (Inches)

**Multiply diameter (ft) of tank to determine appropriate gap limits:**

5% Circumference = Diameter X 0.157 =	<u>23.55</u>	60% Circ. = Diameter X 1.88 =	<u>282</u>
10% Circumference = Diameter X 0.314 =	<u>47.1</u>	90% Circ. = Diameter X 2.83 =	<u>424.5</u>
30% Circumference = Diameter X 0.942 =	<u>141.3</u>	95% Circ = Diameter X 2.98 =	<u>447</u>

**J. DETERMINE COMPLIANCE STATUS OF TANK:**

- 1) Were any openings found on the roof? No  Yes
- 2) Were any tears in the seals found? No  Yes
- 3) Is the product level lower than the level at which the roof would be floating? No  Yes
- 4) Secondary Seal:**
- Did 1/2" probe drop between the shell and seal? No  Yes
- Did cumulative 1/8" - 1/2" gap exceed 5% of the tank circumference length? No  Yes

**5) Primary Seal:**

- Shoe Did 1-1/2" probe drop between the shell and seal? No  Yes
- Did cumulative 1/2" - 1-1/2" gap exceed 10% circumference length? No  Yes
- Did cumulative 1/8" - 1/2" gap exceed 40% circumference length? No  Yes
- Did any single continuous 1/8" - 1-1/2" gap exceed 10% circumference length? No  Yes
- Tube Did 1/2" probe drop between the shell and seal? No  Yes  NA
- Did cumulative 1/8" - 1/2" gap exceed 95% circumference length? No  Yes  NA

***If "yes" is checked for any of the above items the tank is Out of Compliance***

- 7) Does tank have permit conditions? No  Yes
- Does tank comply with these conditions? No  Yes

**1 IF INSPECTION WAS TERMINATED PRIOR TO COMPLETION FOR ANY REASON, PLEASE EXPLAIN**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

VENTURA COUNTY AIR POLLUTION CONTROL DISTRICT  
RULE 71.2 INSPECTION REPORT

Tank No. 305 Permit No. 00082

**K. COMMENTS:**

Use this section to complete answers to above listed items and to describe repairs made to the tank; include date and time repairs were made.

---

---

**TANK IS IN COMPLIANCE AT THIS TIME**

---

---

---

---

---

---

---

---

---

---

**L. I (We) certify the foregoing information to be correct to the best of my (Our) knowledge.**

Inspection completed by <i>signature</i>	<u>Matthew Story</u>	Cert ID	<u>D1101721</u>	Date	<u>5/28/2013</u>
Compliance status by <i>signature</i>	<u>Robert Hoppenrath</u>	Cert ID	<u>C5569176</u>	Date	<u>5/28/2013</u>
Company Representative <i>signature</i>	_____	Cert ID	_____	Date	_____

*A copy of this Inspection Report must be provided to the Ventura County APCD within 30 Calendar days after the inspection date. A copy of this report must be kept on-site and made available to Ventura County APCD upon request for a period of 4 Years.*



Ventura County APCD  
Rule 74.10 Component Leak Report

Q1/2013

Company Crimson Pipeline, LP  
Facility Ventura Harbor Pump Station  
1200 Spinnaker Dr., Ventura, CA 93003

District ID 00082  
Contact David Blakeslee

Component Group	Accessible	Inaccessible	Leaks	Percentage
Threaded Component	2	0	0	0
Stuffing Box	0	0	0	0
Valve	1	0	0	0
Flange	0	0	0	0
Compressor	0	0	0	0
Pump	0	0	0	0
Atmospheric PRD	0	0	0	0
Other	0	0	0	0

No Leaks for this Quarter  
Inspected on 03/25/2013





Ventura County APCD  
Rule 74.10 Component Leak Report

Q2/2013

Company Crimson Pipeline, LP  
Facility Ventura Harbor Pump Station  
1200 Spinnaker Dr., Ventura, CA 93003

District ID 00082  
Contact David Blakeslee

Component Group	Accessible	Inaccessible	Leaks	Percentage
Stuffing Box	0	0	0	0
Threaded Component	2	0	0	0
Valve	1	0	0	0
Flange	0	0	0	0
Compressor	0	0	0	0
Pump	0	0	0	0
Atmospheric PRD	0	0	0	0
Other	0	0	0	0

No Reportable Leaks for this Quarter  
Inspected on 04/11/2013



Ventura County APCD  
Rule 74.10 Component Leak Report

Q3/2013

Company Crimson Pipeline, LP  
Facility Ventura Harbor Pump Station  
1200 Spinnaker Dr., Ventura, CA 93003

District ID 00082  
Contact David Blakeslee

Component Group	Accessible	Inaccessible	Leaks	Percentage
Stuffing Box	0	0	0	0
Threaded Component	2	0	0	0
Valve	1	0	0	0
Flange	0	0	0	0
Compressor	0	0	0	0
Pump	0	0	0	0
Atmospheric PRD	0	0	0	0
Other	0	0	0	0

**No Reportable Leaks for this Quarter  
Inspected on 08/22/2013**



Ventura County APCD  
Rule 74.10 Component Leak Report

Q4/2013

Company Crimson Pipeline, LP  
Facility Ventura Harbor Pump Station  
1200 Spinnaker Dr., Ventura, CA 93003

District ID 00082  
Contact David Blakeslee

Component Group	Accessible	Inaccessible	Leaks	Percentage
Stuffing Box	0	0	0	0
Threaded Component	2	0	0	0
Valve	1	0	0	0
Flange	0	0	0	0
Compressor	0	0	0	0
Pump	0	0	0	0
Atmospheric PRD	0	0	0	0
Other	0	0	0	0

**No Reportable Leaks for this Quarter  
Inspected on 10/17/2013**



Ventura County  
Air Pollution  
Control District

## ANNUAL COMPLIANCE CERTIFICATION SOURCE TEST SUMMARY FORM

Period Covered by Compliance Certification:   01   /   01   /   13   (MM/DD/YY) to   12   /   31   /   13   (MM/DD/YY)

A. Emission Unit Description: Caterpillar ICE			B. Pollutant: NOx
C. Measured Emission Rate: 4.4 ppmv @ 15% O2 (average)	D. Limited Emission Rate: 9 ppmv @ 15% O2	E. Specific Source Test or Monitoring Record Citation: AirX Services	F. Test Date: 1/23/2013

A. Emission Unit Description: Caterpillar ICE			B. Pollutant: CO
C. Measured Emission Rate: 199ppmv @ 15% O2 (average)	D. Limited Emission Rate: 1,000 ppmv @ 15% O2	E. Specific Source Test or Monitoring Record Citation: AirX Services	F. Test Date: 1/23/2013

A. Emission Unit Description: Enterprise ICE G-3			B. Pollutant: NOx
C. Measured Emission Rate: 11.1 ppmv @ 15% O2 (average)	D. Limited Emission Rate: 25 ppmv @ 15% O2	E. Specific Source Test or Monitoring Record Citation: AirX Services	F. Test Date: 1/23/2013

A. Emission Unit Description: Enterprise ICE G-3			B. Pollutant: CO
C. Measured Emission Rate: 1,1183 ppmv @ 15% O2 (average)	D. Limited Emission Rate: 4,500 ppmv @ 15% O2	E. Specific Source Test or Monitoring Record Citation: AirX Services	F. Test Date: 1/23/2013

A. Emission Unit Description:			B. Pollutant:
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:



Ventura County  
Air Pollution  
Control District

## ANNUAL COMPLIANCE CERTIFICATION SOURCE TEST SUMMARY FORM

Period Covered by Compliance Certification: 01 / 01 / 13 (MM/DD/YY) to 12 / 31 / 13 (MM/DD/YY)

A. Emission Unit Description: Caterpillar ICE			B. Pollutant: NOx
C. Measured Emission Rate: 2.1 ppmv @ 15% O2	D. Limited Emission Rate: 9 ppmv @ 15% O2	E. Specific Source Test or Monitoring Record Citation: AirX Services	F. Test Date: 6/3/2013

A. Emission Unit Description: Caterpillar ICE			B. Pollutant: CO
C. Measured Emission Rate: 308 ppmv @ 15% O2	D. Limited Emission Rate: 1,000 ppmv @ 15% O2	E. Specific Source Test or Monitoring Record Citation: AirX Services	F. Test Date: 6/3/2013

A. Emission Unit Description: Enterprise ICE G-3			B. Pollutant: NOx
C. Measured Emission Rate: 20.2 ppmv @ 15% O2	D. Limited Emission Rate: 25 ppmv @ 15% O2	E. Specific Source Test or Monitoring Record Citation: AirX Services	F. Test Date: 6/3/2013

A. Emission Unit Description: Enterprise ICE G-3			B. Pollutant: CO
C. Measured Emission Rate: 3,321 ppmv @ 15% O2	D. Limited Emission Rate: 4,500 ppmv @ 15% O2	E. Specific Source Test or Monitoring Record Citation: AirX Services	F. Test Date: 6/3/2013

A. Emission Unit Description:			B. Pollutant:
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:



## ANNUAL COMPLIANCE CERTIFICATION SOURCE TEST SUMMARY FORM

Period Covered by Compliance Certification: 01 / 01 / 13 (MM/DD/YY) to 12 / 31 / 13 (MM/DD/YY)

A. Emission Unit Description: Caterpillar ICE			B. Pollutant: NOx
C. Measured Emission Rate: 1.6 ppmv @ 15% O2	D. Limited Emission Rate: 9 ppmv @ 15% O2	E. Specific Source Test or Monitoring Record Citation: AirX Services	F. Test Date: 9/26/2013

A. Emission Unit Description: Caterpillar ICE			B. Pollutant: CO
C. Measured Emission Rate: 662 ppmv @ 15% O2	D. Limited Emission Rate: 1,000 ppmv @ 15% O2	E. Specific Source Test or Monitoring Record Citation: AirX Services	F. Test Date: 9/26/2013

A. Emission Unit Description: Enterprise ICE G-3			B. Pollutant: NOx
C. Measured Emission Rate: 21.7 ppmv @ 15% O2	D. Limited Emission Rate: 25 ppmv @ 15% O2	E. Specific Source Test or Monitoring Record Citation: AirX Services	F. Test Date: 9/26/2013

A. Emission Unit Description: Enterprise ICE G-3			B. Pollutant: CO
C. Measured Emission Rate: 2,458 ppmv @ 15% O2	D. Limited Emission Rate: 4,500 ppmv @ 15% O2	E. Specific Source Test or Monitoring Record Citation: AirX Services	F. Test Date: 9/26/2013

A. Emission Unit Description:			B. Pollutant:
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:



Ventura County  
Air Pollution  
Control District

## ANNUAL COMPLIANCE CERTIFICATION SOURCE TEST SUMMARY FORM

Period Covered by Compliance Certification: 01 / 01 / 13 (MM/DD/YY) to 12 / 31 / 13 (MM/DD/YY)

A. Emission Unit Description: Caterpillar ICE			B. Pollutant: NOx
C. Measured Emission Rate: 1.1 ppmv @ 15% O2	D. Limited Emission Rate: 9 ppmv @ 15% O2	E. Specific Source Test or Monitoring Record Citation: AirX Services	F. Test Date: 11/26/2013

A. Emission Unit Description: Caterpillar ICE			B. Pollutant: CO
C. Measured Emission Rate: 162 ppmv @ 15% O2	D. Limited Emission Rate: 1,000 ppmv @ 15% O2	E. Specific Source Test or Monitoring Record Citation: AirX Services	F. Test Date: 11/26/2013

A. Emission Unit Description: Enterprise ICE G-3			B. Pollutant: NOx
C. Measured Emission Rate: 16.0 ppmv @ 15% O2	D. Limited Emission Rate: 25 ppmv @ 15% O2	E. Specific Source Test or Monitoring Record Citation: AirX Services	F. Test Date: 11/26/2013

A. Emission Unit Description: Enterprise ICE G-3			B. Pollutant: CO
C. Measured Emission Rate: 1,632 ppmv @ 15% O2	D. Limited Emission Rate: 4,500 ppmv @ 15% O2	E. Specific Source Test or Monitoring Record Citation: AirX Services	F. Test Date: 11/26/2013

A. Emission Unit Description:			B. Pollutant:
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:



**CRIMSON PIPELINE**  
210 North 12<sup>th</sup> Street  
Santa Paula, CA 93060

**Attention: Joe Oliver**

**BIENNIAL EMISSION TESTING AT  
VENTURA PUMP STATION  
ENTERPRISE ENGINE & CATERPILLAR ENGINE  
PTO #0082  
January 23, 2013**

Prepared By:  
**AIRx Testing Services**  
2472 Eastman Avenue Unit 34  
Ventura, CA 93003

Job Number  
21000

Laboratory Report Number  
213-008

Test Team Leader  
Ken Kennepohl

Results Verified By  
Tom Porter

Submitted  
February 12, 2013

**SUMMARY OF SOURCE TEST RESULTS**

**Crimson Pipeline**

**Harbor**

**Enterprise ICE**

**1/23/2013**

<i>CONSTITUENTS</i>	<i>MEASURED VALUES</i>			<i>AVERAGE</i>	<i>Allowable</i>
	<i>Run #1</i>	<i>Run #2</i>	<i>Run #3</i>		
<b>Oxides of Nitrogen</b>					
ppmv	39.6	38.7	39.4	39.2	-
ppmv @ 15% O2	11.2	10.9	11.1	11.1	25
lb/hr	0.10	0.10	0.10	0.10	-
lb/MMBtu	0.041	0.040	0.041	0.041	-
gm/BHP-hr	0.113	0.111	0.113	0.112	-
<b>Carbon Monoxide</b>					
ppmv	3771	4438	4378	4196	-
ppmv @ 15% O2	1062	1252	1236	1183	4500
lb/hr	6.00	7.07	6.98	6.68	-
lb/MMBtu	2.380	2.804	2.769	2.651	-
gm/BHP-hr	6.562	7.731	7.634	7.309	-
<b>Total Non-Methane/Ethane Hydrocarbons, as CH4</b>					
ppmv, dry	-	-	-	16.2	-
ppmv @ 15% O2, dry	-	-	-	4.6	250
lb/hr	-	-	-	0.021	-
<b>Oxygen, %</b>	0.0	0.0	0.0	0.0	-
<b>Stack Flowrate, dscfm</b>	365	365	366	365	-
<b>Moisture, %</b>	18.0	18.0	17.9	18.0	-
<b>Fuel Usage, cfm</b>	40.0	40.0	40.0	40.0	-

**SUMMARY OF SOURCE TEST RESULTS**

**Crimson Pipeline**

**Harbor**

**CAT ICE**

**1/23/2013**

<i>CONSTITUENTS</i>	<i>MEASURED VALUES</i>			<i>AVERAGE</i>
	<i>Run #1</i>	<i>Run #2</i>	<i>Run #3</i>	
<b>Oxides of Nitrogen</b>				
ppmv	7.8	19.4	19.5	15.6
ppmv @ 15% O2	2.2	5.5	5.5	4.4
lb/hr	0.020	0.059	0.051	0.044
lb/MMBtu	0.0081	0.020	0.020	0.016
gm/BHP-hr	0.022	0.065	0.056	0.048
<b>Carbon Monoxide</b>				
ppmv	358	796	964	706
ppmv @ 15% O2	101	224	272	199
lb/hr	0.57	1.48	1.53	1.19
lb/MMBtu	0.226	0.502	0.609	0.446
gm/BHP-hr	0.624	1.616	1.679	1.306
<b>Total Non-Methane/Ethane Hydrocarbons, as CH4</b>				
ppmv, dry	4.1	4.1	4.1	4.1
ppmv @ 15% O2, dry	-	-	-	1.2
lb/hr	0.0039	0.0039	0.0039	0.0039
<b>Oxygen, %</b>	0.0	0.0	0.0	0.0
<b>Stack Flowrate, dscfm</b>	365	426	365	386
<b>Moisture, %</b>	18.0	18.0	18.0	18.0
<b>Fuel Usage, cfm</b>	40.0	46.7	40.0	42.2

## **INTRODUCTION**

February 12, 2013

Job No.: 21000  
Lab No.: 213-008

Crimson Pipeline  
210 North 12<sup>th</sup> Street  
Santa Paula, California 93060

ATTN: Joe Oliver

REGARDING: Biennial Compliance Testing of Two (2) Natural Gas Fired Engine at the Ventura Harbor Pumping Station (PTO #0082).

Dear Mr. Oliver:

On January 23, 2013 AIRx Testing Services, performed the biennial compliance testing on two (2) natural gas fired engines at a single maximum load. The engines are identified as follows:

Engine #3; Enterprise; Model #GSG-6; 465 BHP; S/N 54050; Equipped with a catalytic converter.

Engine #1; Caterpillar; Model SP321P001G379ASI; S/N 72B01367; 415 HP; DCLI "Quick Lid" Catalytic Converter; O2 Sensors; Air/Fuel Ratio Controller.

The engines were operating at maximum attainable conditions during the testing. The units was tested to meet the requirements of APCD Rule 74.9 and PTO #0082.

The following is a summary of the procedures used in the testing:

Exhaust Gas Analysis: A continuous sample of the exhaust gas was taken from the stack through a refrigerated sample gas conditioner and transported, under positive pressure, through Teflon tubing to a distribution panel. The nitrogen oxides were checked using an API Model 200EH chemiluminescent analyzer. The carbon monoxide was checked with a TECO Model 48H NDIR w/GFC analyzer and the oxygen was checked with a Servomex Model 1400 paramagnetic analyzer. The method used was CARB 100 with data collected at one (1) minute intervals for three (3) 15 minute runs. Stack constituent information was recorded on a 10" strip chart recorder and a data acquisition system (DAS).

Exhaust Gas Flow Rate: The exhaust gas flowrate was calculated from the fuel flowrate and the stoichiometric molal combustion (EPA F- factor = 8710 dscf/MMBtu) of natural gas.

Fuel Flow Rate: The fuel flow rate was determined by AIRx personnel from a gas meter dedicated to each engine and was assumed to be corrected to VCAPCD standard conditions.

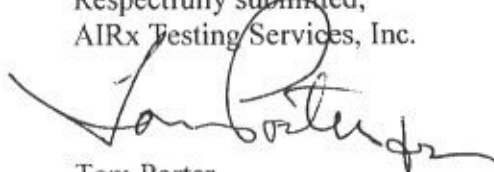
Reactive Organic Compounds: Three (3) samples were collected from each engine exhaust in inert Tedlar bags according to EPA Method 18. The total non-methane/ethane hydrocarbons compound (ROC) content by gas chromatography utilizing a flame ionization detection (FID) system.

Each bag was sampled from a heated sample line into a vacuum chamber containing an inert Tedlar bag. The heated line was thoroughly purged with the exhaust gases before entry into the Tedlar bag. Each Tedlar bag was a 15 minute composite sample. The Tedlar bag samples were placed into an opaque container and submitted to the AIRx in-house laboratory for analysis. The bags were placed into a 105C oven for 30 minutes prior to analysis to vaporize any condensate present. The results were reported as total non-methane/ethane in ppmv as methane and calculated as ppmv dry, ppmv dry @ 15% O<sub>2</sub> and lb/hr.

Stack Gas Moisture: The moisture content of the exhaust gas stream was calculated based upon the combustion characteristics of natural gas and the diluent oxygen concentration. The moisture content was used to calculate the ROC result values to dry conditions.

If you have any questions regarding the testing procedures or the calculations, please contact the undersigned at (805) 644-1099.

Respectfully submitted,  
AIRx Testing Services, Inc.



Tom Porter  
Vice President of Testing Services

CC: Crimson Pipeline  
Valerie Muller

Ventura County APCD  
Attn: Lyle Olson



SUMMARY OF SOURCE TEST RESULTS  
Quarterly Emission Testing  
Crimson Pipeline  
Ventura Pump Station  
G-3

6/3/2013

		<i>Allowable</i>
<b>Oxides of Nitrogen (NOx)</b>		
ppmv	71.7	-
ppmv @ 15% O2	20.2	25
<b>Carbon Monoxide (CO)</b>		
ppmv	11766	-
ppmv @ 15% O2	3321	4500
<b>Oxygen (O2), percent</b>	0.0	-





SUMMARY OF SOURCE TEST RESULTS  
Quarterly Emission Testing  
Crimson Pipeline  
Ventura Pump Station  
Caterpillar ICE

6/3/2013

		<i>Allowable</i>
<b>Oxides of Nitrogen (NOx)</b>		
ppmv	7.5	-
ppmv @ 15% O2	2.1	9.0
<b>Carbon Monoxide (CO)</b>		
ppmv	1092	-
ppmv @ 15% O2	308	1000
<b>Oxygen (O2), percent</b>	0.0	-



SUMMARY OF SOURCE TEST RESULTS  
Quarterly Emission Testing  
Crimson Pipeline  
Ventura Pump Station  
G-3

9/26/2013

		<i>Allowable</i>
<b>Oxides of Nitrogen (NOx)</b>		
ppmv	76.2	-
ppmv @ 15% O2	21.7	25
<b>Carbon Monoxide (CO)</b>		
ppmv	8646	-
ppmv @ 15% O2	2458	4500
<b>Oxygen (O2), percent</b>	0.1	-



SUMMARY OF SOURCE TEST RESULTS  
Quarterly Emission Testing  
Crimson Pipeline  
Ventura Pump Station  
Caterpillar ICE

9/26/2013

		<i>Allowable</i>
<b>Oxides of Nitrogen (NOx)</b>		
ppmv	5.8	-
ppmv @ 15% O2	1.6	9.0
<b>Carbon Monoxide (CO)</b>		
ppmv	2342	-
ppmv @ 15% O2	662	1000
<b>Oxygen (O2), percent</b>	0.0	-



SUMMARY OF SOURCE TEST RESULTS  
Quarterly Emission Testing  
Crimson Pipeline  
Ventura Pump Station  
G-3

11/26/2013

		<i>Allowable</i>
<b>Oxides of Nitrogen (NOx)</b>		
ppmv	56.6	-
ppmv @ 15% O2	16.0	25
<b>Carbon Monoxide (CO)</b>		
ppmv	5769	-
ppmv @ 15% O2	1632	4500
<b>Oxygen (O2), percent</b>	0.0	-
<b>Opacity, %</b>	0.0	10%

*Note: Reported values represent a 20-minute average.*





SUMMARY OF SOURCE TEST RESULTS  
Quarterly Emission Testing  
Crimson Pipeline  
Ventura Pump Station  
CAT

11/26/2013

		<i>Allowable</i>
<b>Oxides of Nitrogen (NOx)</b>		
ppmv	3.8	-
ppmv @ 15% O2	1.1	9
<b>Carbon Monoxide (CO)</b>		
ppmv	572	-
ppmv @ 15% O2	162	1000
<b>Oxygen (O2), percent</b>	0.0	-
<b>Opacity, %</b>	0.0	10%

*Note: Reported values represent a 20-minute average.*

## VENTURA HARBOR STATION 2013

<u>MONTH</u>	<u>*FUEL</u> (CUBIC FEET)	<u>BBLs.</u> (TANK THROUGHPUT)	<u>SOLVENT</u> (GALLONS)	<u>**PAINT</u> (GALLONS)
Jan-13	1,245,500	228,690	0	0
Feb-13	1,165,800	201,686	0	0
Mar-13	1,097,700	177,396	0	0
Apr-13	1,062,300	155,740	0	0
May-13	966,200	174,049	0	0
Jun-13	719,400	91,793	0	0
Jul-13	1,108,600	189,539	0	0
Aug-13	1,131,800	221,110	0	0
Sep-13	1,123,600	232,297	0	0
Oct-13	1,270,700	229,840	0	0
Nov-13	1,019,800	207,104	0	0
Dec-13	1,180,500	217,025	0	0
<b>TOTAL</b>	13,091,900	2,326,269	0	0

**\*ALSO REFER TO FUEL USE ROLLING TWELVE  
MONTH TABLE ATTACHED**

2

**CRIMSON PIPELINE L. P.  
HARBOR STATION  
WEEKLY  
FUGITIVE EMISSION INSPECTION LOG**

INSPECTED BY	CS		CS	CS	CS		
DATE 1/21/13 - 1/28/13	1/21		1/23	1/24	1/25		
DAY	MON	TUES	WED	THUR	FRI	SAT	SUN

COMPONENT DESCRIPTION	LEAKING (Y/N)						
OPACITY G-1 - TIME	—		—	—	—		
ANY VISUAL EMISSIONS	—		—	—	—		
OPACITY G-3 - TIME	1330		0940	—	0930		
ANY VISUAL EMISSIONS	N		N	N	N		
G-1 PUMP SEAL	N		N	N	N		
G-3 PUMP SEAL	N		N	N	N		
STATION VALVES	N		N	N	N		
TK 301 VALVES	N		N	N	N		
TK 305 VALVES	N		N	N	N		
SUMP	N		N	N	N		
BOOSTER SEAL	N		N	N	N		
MIXER SEAL	N		N	N	N		
PIG LAUNCHER	N		N	N	N		
STATION VISUAL	CS		CS	CS	CS		

If any componet is leaking, minimize leak, notify Dist Foreman

Comments:

---



---



---



---



---



---



---





**CRIMSON PIPELINE L. P.  
HARBOR STATION  
WEEKLY  
FUGITIVE EMISSION INSPECTION LOG**

INSPECTED BY		<i>JV</i>	<i>JV</i>	<i>JV</i>			
DATE <i>3/18-3/25/12</i>		<i>3/19</i>	<i>3/20</i>	<i>3/21</i>			
DAY	MON	TUES	WED	THUR	FRI	SAT	SUN

COMPONENT DESCRIPTION	LEAKING (Y/N)						
	MON	TUES	WED	THUR	FRI	SAT	SUN
OPACITY G-1 - TIME		-	-	-			
ANY VISUAL EMISSIONS		-	-	-			
OPACITY G-3 - TIME		<i>300</i>	<i>1130</i>	<i>1130</i>			
ANY VISUAL EMISSIONS		N	N	N			
G-1 PUMP SEAL		N	N	N			
G-3 PUMP SEAL		N	N	N			
STATION VALVES		N	N	N			
TK 301 VALVES		N	N	N			
TK 305 VALVES		N	N	N			
SUMP		N	N	N			
BOOSTER SEAL		N	N	N			
MIXER SEAL		N	N	N			
PIG LAUNCHER		N	N	N			
STATION VISUAL		<i>JV</i>	<i>JV</i>	<i>JV</i>			

If any componet is leaking, minimize leak, notify Dist Foreman

Comments:

---



---



---



---



---



---

**CRIMSON PIPELINE L. P.  
HARBOR STATION  
WEEKLY  
FUGITIVE EMISSION INSPECTION LOG**

INSPECTED BY	TV		TV	TV	CS		
DATE	4-15		4/17	4/18	4/19		
DAY	MON	TUES	WED	THUR	FRI	SAT	SUN

COMPONENT DESCRIPTION	LEAKING (Y/N)						
	MON	TUES	WED	THUR	FRI	SAT	SUN
OPACITY G-1 - TIME	-		-	-	-		
ANY VISUAL EMISSIONS	-		-	-	-		
OPACITY G-3 - TIME	-		1130 <sup>A</sup>	-	-		
ANY VISUAL EMISSIONS	N		N	N	N		
G-1 PUMP SEAL	N		N	N	N		
G-3 PUMP SEAL	N		N	N	N		
STATION VALVES	N		N	N	N		
TK 301 VALVES	N		N	N	N		
TK 305 VALVES	N		N	N	N		
SUMP	N		N	N	N		
BOOSTER SEAL	H		N	N	N		
MIXER SEAL	N		N	N	N		
PIG LAUNCHER	N		N	N	N		
STATION VISUAL	TV		TV	TV	CS		

If any componet is leaking, minimize leak, notify Dist Foreman

Comments:

---



---



---



---



---



---

**CRIMSON PIPELINE L. P.  
HARBOR STATION  
WEEKLY  
FUGITIVE EMISSION INSPECTION LOG**

INSPECTED BY	TV	TV		TV	TV		
DATE	5/13	5/14		5/16	5/17		
DAY	MON	TUES	WED	THUR	FRI	SAT	SUN
COMPONENT DESCRIPTION	LEAKING (Y/N)						
OPACITY G-1 - TIME	-	-		-	-		
ANY VISUAL EMISSIONS	-	-		-	-		
OPACITY G-3 - TIME	-	-		-	-		
ANY VISUAL EMISSIONS	N	N		N	N		
G-1 PUMP SEAL	N	N		N	N		
G-3 PUMP SEAL	N	N		N	N		
STATION VALVES	N	N		N	N		
TK 301 VALVES	N	N		N	N		
TK 305 VALVES	N	N		N	N		
SUMP	N	N		N	N		
BOOSTER SEAL	N	N		N	Y		
MIXER SEAL	N	N		N	N		
PIG LAUNCHER	N	N		N	N		
STATION VISUAL	TV	TV		TV	TV		

If any componet is leaking, minimize leak, notify Dist Foreman

5/17/13  
Comments: Booster Pump Seal leaking; locked out  
STATION.

**CRIMSON PIPELINE L. P.  
HARBOR STATION  
WEEKLY  
FUGITIVE EMISSION INSPECTION LOG**

INSPECTED BY	TV		TV		TV		
DATE	6/10-6/17/12		6/12		6/14		
DAY	MON	TUES	WED	THUR	FRI	SAT	SUN

COMPONENT DESCRIPTION	LEAKING (Y/N)						
	MON	TUES	WED	THUR	FRI	SAT	SUN
OPACITY G-1 - TIME	-		-		-		
ANY VISUAL EMISSIONS	-		-		-		
OPACITY G-3 - TIME	-		-		-		
ANY VISUAL EMISSIONS	N		N		N		
G-1 PUMP SEAL	N		N		N		
G-3 PUMP SEAL	N		N		N		
STATION VALVES	N		N		N		
TK 301 VALVES	N		N		N		
TK 305 VALVES	N		N		N		
SUMP	N		N		N		
BOOSTER SEAL	N		N		N		
MIXER SEAL	N		N		N		
PIG LAUNCHER	IL		N		N		
STATION VISUAL	VC		TV		TV		

If any componet is leaking, minimize leak, notify Dist Foreman

Comments:

---



---



---



---



---



---



---

**CRIMSON PIPELINE L. P.  
HARBOR STATION  
WEEKLY  
FUGITIVE EMISSION INSPECTION LOG**

INSPECTED BY	TV		TV	TV	TV		
DATE	7/15-7/22/13	7/15	7/17	7/18	7/19		
DAY	MON	TUES	WED	THUR.	FRI	SAT	SUN

COMPONENT DESCRIPTION	LEAKING (Y/N)						
OPACITY G-1 - TIME	-		-	-	-		
ANY VISUAL EMISSIONS	-		-	-	-		
OPACITY G-3 - TIME			10:30a		9:00a		
ANY VISUAL EMISSIONS	N		N	N	N		
G-1 PUMP SEAL	N		N	N	N		
G-3 PUMP SEAL	N		N	N	N		
STATION VALVES	N		N	N	N		
TK 301 VALVES	N		N	N	N		
TK 305 VALVES	N		N	N	N		
SUMP	N		N	N	N		
BOOSTER SEAL	N		N	N	N		
MIXER SEAL	N		N	N	N		
PIG LAUNCHER	N		N	N	N		
STATION VISUAL	TV		TV	TV	TV		

If any componet is leaking, minimize leak, notify Dist Foreman

Comments:

---



---



---



---



---



---



---





**CRIMSON PIPELINE L. P.  
HARBOR STATION  
WEEKLY  
FUGITIVE EMISSION INSPECTION LOG**

INSPECTED BY		TV	TV	TV	TV		
DATE	9/2-9/9/13	9/3	9/4	9/5	9/6		
DAY	MON	TUES	WED	THUR	FRI	SAT	SUN

COMPONENT DESCRIPTION	LEAKING (Y/N)
-----------------------	---------------

OPACITY G-1 - TIME	-	-	-	-		
ANY VISUAL EMISSIONS	-	-	-	-		
OPACITY G-3 - TIME	1130 <sup>a</sup>	230 <sup>p</sup>	1109	1130 <sup>a</sup>		
ANY VISUAL EMISSIONS	N	N	N	N		
G-1 PUMP SEAL	N	N	N	N		
G-3 PUMP SEAL	N	N	N	N		
STATION VALVES	N	N	N	N		
TK 301 VALVES	N	N	N	N		
TK 305 VALVES	N	N	N	N		
SUMP	N	N	N	N		
BOOSTER SEAL	N	N	N	N		
MIXER SEAL	N	N	N	N		
PIG LAUNCHER	N	N	N	N		
STATION VISUAL	TV	TV	TV	TV		

If any componet is leaking, minimize leak, notify Dist Foreman

Comments:

---



---



---



---



---



---



**CRIMSON PIPELINE L. P.  
HARBOR STATION  
WEEKLY  
FUGITIVE EMISSION INSPECTION LOG**

INSPECTED BY	TV	TV	TV	TV	TV		
DATE	10/14	10/15	10/16	10/17	10/18		
DAY	MON	TUES	WED	THUR	FRI	SAT	SUN

COMPONENT DESCRIPTION	LEAKING (Y/N)						
OPACITY G-1 - TIME	-	-	-			-	
ANY VISUAL EMISSIONS	-	-	-			-	
OPACITY G-3 - TIME	11:30 <sup>a</sup>	1:30 <sup>p</sup>	2:00 <sup>p</sup>			1:30 <sup>p</sup>	
ANY VISUAL EMISSIONS	N	N	N			N	
G-1 PUMP SEAL	N	N	N			N	
G-3 PUMP SEAL	N	N	N			N	
STATION VALVES	N	N	N			N	
TK 301 VALVES	N	N	N			N	
TK 305 VALVES	N	N	N			N	
SUMP	N	N	N			N	
BOOSTER SEAL	N	N	N			N	
MIXER SEAL	N	N	N			N	
PIG LAUNCHER	N	N	N			N	
STATION VISUAL	TV	TV	TV			TV	

If any componet is leaking, minimize leak, notify Dist Foreman

Comments:

---



---



---



---



---



---



---



---

**CRIMSON PIPELINE L. P.  
HARBOR STATION  
WEEKLY  
FUGITIVE EMISSION INSPECTION LOG**

INSPECTED BY	TJ	TJ	TJ	TJ	TJ		
DATE	11/18	11/19	11/20	11/21	11/22		
DAY	MON	TUES	WED	THUR	FRI	SAT	SUN

COMPONENT DESCRIPTION	LEAKING (Y/N)						
-----------------------	---------------	--	--	--	--	--	--

OPACITY G-1 - TIME	-	-	-	-	-		
ANY VISUAL EMISSIONS	-	-	-	-	-		
OPACITY G-3 - TIME	-	-	1235P	1255P	1305P		
ANY VISUAL EMISSIONS	N	N	N	N	N		
G-1 PUMP SEAL	N	N	N	N	N		
G-3 PUMP SEAL	N	N	N	N	N		
STATION VALVES	N	N	N	N	N		
TK 301 VALVES	N	N	N	N	N		
TK 305 VALVES	N	N	N	N	N		
SUMP	N	N	N	N	N		
BOOSTER SEAL	N	N	N	N	N		
MIXER SEAL	N	N	N	N	N		
PIG LAUNCHER	N	N	N	N	N		
STATION VISUAL	TJ	TJ	TJ	TJ	TJ		

If any componet is leaking, minimize leak, notify Dist Foreman

Comments:

---



---



---



---



---



---



---



CRIMSON PIPELINE L P IC ENGINES  
 FUEL USAGE  
 HARBOR STATION  
 PERMIT NUMBER 0082

VENTURA HARBOR STATION ANNUAL ROLLING FUEL 2013

Month	AVG#1	AVG#2	AVG#3	AVG#4	AVG#5	AVG#6	AVG#7	AVG#8	AVG#9	AVG#10	AVG#11	AVG#12
Feb-12	1,263,400											
Mar-12	1,538,800	1,538,800										
Apr-12	1,202,900	1,202,900	1,202,900									
May-12	1,262,700	1,262,700	1,262,700	1,262,700								
Jun-12	844,800	844,800	844,800	844,800	844,800							
Jul-12	1,058,700	1,058,700	1,058,700	1,058,700	1,058,700	1,058,700						
Aug-12	1,099,300	1,099,300	1,099,300	1,099,300	1,099,300	1,099,300	1,099,300					
Sep-12	839,900	839,900	839,900	839,900	839,900	839,900	839,900	839,900				
Oct-12	1,077,700	1,077,700	1,077,700	1,077,700	1,077,700	1,077,700	1,077,700	1,077,700	1,077,700			
Nov-12	1,194,300	1,194,300	1,194,300	1,194,300	1,194,300	1,194,300	1,194,300	1,194,300	1,194,300	1,194,300		
Dec-12	1,428,400	1,428,400	1,428,400	1,428,400	1,428,400	1,428,400	1,428,400	1,428,400	1,428,400	1,428,400	1,428,400	
Jan-13	1,245,500	1,245,500	1,245,500	1,245,500	1,245,500	1,245,500	1,245,500	1,245,500	1,245,500	1,245,500	1,245,500	1,245,500
Feb-13	1,165,800	1,165,800	1,165,800	1,165,800	1,165,800	1,165,800	1,165,800	1,165,800	1,165,800	1,165,800	1,165,800	1,165,800
Mar-13	1,097,700	1,097,700	1,097,700	1,097,700	1,097,700	1,097,700	1,097,700	1,097,700	1,097,700	1,097,700	1,097,700	1,097,700
Apr-13	1,062,300	1,062,300	1,062,300	1,062,300	1,062,300	1,062,300	1,062,300	1,062,300	1,062,300	1,062,300	1,062,300	1,062,300
May-13	966,200	966,200	966,200	966,200	966,200	966,200	966,200	966,200	966,200	966,200	966,200	966,200
Jun-13	719,400	719,400	719,400	719,400	719,400	719,400	719,400	719,400	719,400	719,400	719,400	719,400
Jul-13	1,108,600	1,108,600	1,108,600	1,108,600	1,108,600	1,108,600	1,108,600	1,108,600	1,108,600	1,108,600	1,108,600	1,108,600
Aug-13	1,131,800	1,131,800	1,131,800	1,131,800	1,131,800	1,131,800	1,131,800	1,131,800	1,131,800	1,131,800	1,131,800	1,131,800
Sep-13	1,123,600	1,123,600	1,123,600	1,123,600	1,123,600	1,123,600	1,123,600	1,123,600	1,123,600	1,123,600	1,123,600	1,123,600
Oct-13	1,270,700	1,270,700	1,270,700	1,270,700	1,270,700	1,270,700	1,270,700	1,270,700	1,270,700	1,270,700	1,270,700	1,270,700
Nov-13	1,019,800	1,019,800	1,019,800	1,019,800	1,019,800	1,019,800	1,019,800	1,019,800	1,019,800	1,019,800	1,019,800	1,019,800
Dec-13	1,180,500	1,180,500	1,180,500	1,180,500	1,180,500	1,180,500	1,180,500	1,180,500	1,180,500	1,180,500	1,180,500	1,180,500
<b>CF/year</b>	<b>1,171,367</b>	<b>1,163,233</b>	<b>1,126,475</b>	<b>1,114,758</b>	<b>1,090,050</b>	<b>1,079,600</b>	<b>1,083,758</b>	<b>1,086,467</b>	<b>1,110,108</b>	<b>1,126,192</b>	<b>1,111,650</b>	<b>1,090,992</b>

CRIMSON PIPELINE L P



Crimson  
~~CONOCOPHILLIPS~~  
ENGINE SERVICE REPORT

TYPE OF SERVICE REPAIR

DATE 1/18/13

APCD PERMIT NUMBER 0082

LOCATION Ventura Station / Harbor

MAKE Enterprise (G-3)

MODEL GSG-6

TYPE Natural Gas

ENGINE HOURS 3133

OPERATIONS PERFORMED

CHANGED HEAD AND HEAD GASKETS ON  
NUMBER 384 CYLINDERS.  
ALSO REPLACED SPARK PLUGS

MECHANIC J. Olin

DATE WORK COMPLETED 1/18/13



Crimson  
**CONOCOPHILLIPS**  
**ENGINE SERVICE REPORT**

TYPE OF SERVICE Service

DATE 5/14/13

APCD PERMIT NUMBER 0082

LOCATION Ventura Station / Harbor

MAKE Enterprise (G-3)

MODEL GSG-6

TYPE Natural Gas

ENGINE HOURS 4950

OPERATIONS PERFORMED

Oil & Filter Change, ALSO REPLACED FRONT  
O<sub>2</sub> Sensor

MECHANIC Joe Oliver

DATE WORK COMPLETED 5/14/13









**CRIMSON PIPELINE, L.P.  
ENGINE SERVICE REPORT**

TYPE OF SERVICE Service

DATE 11/20/13

APCD PERMIT NUMBER 0082

LOCATION Ventura Station

MAKE Enterprise (G-3)

MODEL GSG-6

TYPE Natural Gas

ENGINE HOURS 8054

OPERATIONS PERFORMED

Oil & Filter CHANGE, ALSO AIR FILTERS

MECHANIC

[Signature]

DATE WORK COMPLETED

11/20/13

**VENTURA STATION ENGINE DATA SHEET**  
**ENTERPRISE G-3**

ENGINE TIMER: START 3203 FINISH 3326 TOTAL HOURS \_\_\_\_\_

INITIALS	CS		CS	CS	CS		
DATE	1/21/13		1/23	1/24	1/25		
DAY	MON	TUE	WED	THUR	FRI	SAT	SUN
DISCHARGE PRESSURE	541.9		530		528		
SUCTION PRESSURE	115.5		111		111		
ENGINE RPM'S	371		371		371		
JACKET WATER PRESSURE	26		26		26		
JACKET WATER TEMP	172		173		176		
HEAT EXCHANGER TEMP	142		135		130		
INBOARD BEARING TEMP	129	1	124		123		
OUTBOARD BEARING TEMP	161		155		156		
AIR/FUEL PRESS - FRONT	.818		.814		.815		
AIR/FUEL PRESS - BACK	.812		.584	D	.525		
LUBE OIL LEVEL	3/8			0	3/8		
OIL ADDED TO ENGINE	35 GAL			W	10 GAL		
LUBE OIL ENG PRESS	55		<del>53</del> 53	N	53		
GEAR BOX OIL PRESSURE	9		8		8		
LUBE OIL FILTER	60		66		60		
CONVERTER TEMP TC-1	692	984	934		740		
CONVERTER TEMP TC-2	733	745	745		761		
CYLINDER #1	933		960		969		
CYLINDER #2	954		979		982		
CYLINDER #3	935		961		948		
CYLINDER #4	1014		1035		1020		
CYLINDER #5	1055		1079		1064		
CYLINDER #6	1042		1059		1053		
AIR PRESSURE	210		215		210		
WATER MAKE-UP TANK	Full		Full		Full		
GAS METER READING							

**VENTURA STATION ENGINE DATA SHEET**  
**ENTERPRISE G-3**

ENGINE TIMER: START 3700 FINISH 3814 TOTAL HOURS \_\_\_\_\_

INITIALS			<del>JV</del>	<del>JV</del>	<del>JV</del>		
DATE	<u>2/18 - 2/25/13</u>		<del>2/20</del>	<del>2/21</del>	<del>2/22</del>		
DAY	MON	TUE	WED	THUR	FRI	SAT	SUN
DISCHARGE PRESSURE			551	548	551		
SUCTION PRESSURE			115	113	115		
ENGINE RPM'S			383	383	382		
JACKET WATER PRESSURE			27	27	27		
JACKET WATER TEMP			177	179	177		
HEAT EXCHANGER TEMP			136	140	134		
INBOARD BEARING TEMP			126	125	124		
OUTBOARD BEARING TEMP			160	160	156		
AIR/FUEL PRESS - FRONT			.81	.81	.81		
AIR/FUEL PRESS - BACK			.34	.14	.46		
LUBE OIL LEVEL			3/8	3/8	3/8		
OIL ADDED TO ENGINE			25 gals.	0	0		
LUBE OIL ENG PRESS			55	55	54		
GEAR BOX OIL PRESSURE			9	9	9		
LUBE OIL FILTER			60	60	60		
CONVERTER TEMP TC-1			729	771	714		
CONVERTER TEMP TC-2			754	771	751		
CYLINDER #1			966	983	972		
CYLINDER #2			975	985	987		
CYLINDER #3			963	1034	979		
CYLINDER #4			1042	1058	1045		
CYLINDER #5			1084	1081	1090		
CYLINDER #6			1059	1050	1074		
AIR PRESSURE			200	215			
WATER MAKE-UP TANK			Full	Full	Full		
GAS METER READING			-	-	-		

**VENTURA STATION ENGINE DATA SHEET**  
**ENTERPRISE G-3**

ENGINE TIMER: START 4221 FINISH \_\_\_\_\_ TOTAL HOURS \_\_\_\_\_

INITIALS		TV	TV	JK			
DATE	<u>3/18 - 3/25/12</u>	<u>3/19</u>	<u>3/20</u>	<u>3/21</u>			
DAY		MON	TUE	WED	THUR	FRI	SAT
SUN							
DISCHARGE PRESSURE			556	555			
SUCTION PRESSURE			117	116			
ENGINE RPM'S			382	384			
JACKET WATER PRESSURE			27	27			
JACKET WATER TEMP			164	164			
HEAT EXCHANGER TEMP			134	132			
INBOARD BEARING TEMP			128	126			
OUTBOARD BEARING TEMP			155	157			
AIR/FUEL PRESS - FRONT			.80	.80			
AIR/FUEL PRESS - BACK			.77	.70			
LUBE OIL LEVEL			1/2	1/2			
OIL ADDED TO ENGINE			206ds.	<del>0</del>			
LUBE OIL ENG PRESS			53	53			
GEAR BOX OIL PRESSURE			9	9			
LUBE OIL FILTER			60	60			
CONVERTER TEMP TC-1			703	711			
CONVERTER TEMP TC-2			735	746			
CYLINDER #1			959	956			
CYLINDER #2			986	979			
CYLINDER #3			962	962			
CYLINDER #4			1024	1048			
CYLINDER #5			1064	1072			
CYLINDER #6			1054	1059			
AIR PRESSURE			200	215			
WATER MAKE-UP TANK			Full	Full			
GAS METER READING			-	-			



**VENTURA STATION ENGINE DATA SHEET**  
**ENTERPRISE G-3**

ENGINE TIMER: START 4610 FINISH 4701 TOTAL HOURS \_\_\_\_\_

INITIALS	TV		TV	TV	CS		
DATE	4/15		4/17	4/18	4/19		
DAY	MON	TUE	WED	THUR	FRI	SAT	SUN
DISCHARGE PRESSURE			576				
SUCTION PRESSURE	S		113				
ENGINE RPM'S			396				
JACKET WATER PRESSURE			28				
JACKET WATER TEMP			163				
HEAT EXCHANGER TEMP	D		132	D	D		
INBOARD BEARING TEMP			127		O		
OUTBOARD BEARING TEMP			156	O	O		
AIR/FUEL PRESS - FRONT			.82		W		
AIR/FUEL PRESS - BACK	O		.11	W	N		
LUBE OIL LEVEL			1/2				
OIL ADDED TO ENGINE	W		30 gals.				
LUBE OIL ENG PRESS			54	M			
GEAR BOX OIL PRESSURE			10				
LUBE OIL FILTER	M		60				
CONVERTER TEMP TC-1			871				
CONVERTER TEMP TC-2			785				
CYLINDER #1			988				
CYLINDER #2			988				
CYLINDER #3			962				
CYLINDER #4			1054				
CYLINDER #5			1066				
CYLINDER #6			1052				
AIR PRESSURE			205				
WATER MAKE-UP TANK			FULL				
GAS METER READING							



**VENTURA STATION ENGINE DATA SHEET**  
**ENTERPRISE G-3**

ENGINE TIMER: START 7923 FINISH 4950 TOTAL HOURS \_\_\_\_\_

INITIALS	<u>TV</u>	<u>TJ</u>		<u>TV</u>	<u>TV</u>		
DATE	<u>5/13</u>	<u>5/17</u>	<u>5/14</u>	<u>5/16</u>	<u>5/17</u>		
DAY	<u>MON</u>	<u>TUE</u>	WED	THUR	FRI	SAT	SUN
DISCHARGE PRESSURE	S	S		S	S		
SUCTION PRESSURE	S	S		S	S		
ENGINE RPM'S	S	S		S	S		
JACKET WATER PRESSURE	S	S		S	S		
JACKET WATER TEMP	D				S		
HEAT EXCHANGER TEMP	D	D		D			
INBOARD BEARING TEMP	D	D		D	D		
OUTBOARD BEARING TEMP	D	D		D	D		
AIR/FUEL PRESS - FRONT	O	O		O	O		
AIR/FUEL PRESS - BACK	O	O		O	O		
LUBE OIL LEVEL	W			O	O		
OIL ADDED TO ENGINE	W						
LUBE OIL ENG PRESS		W		W	W		
GEAR BOX OIL PRESSURE		W		W	W		
LUBE OIL FILTER	M						
CONVERTER TEMP TC-1				M	M		
CONVERTER TEMP TC-2		N		M	M		
CYLINDER #1							
CYLINDER #2							
CYLINDER #3							
CYLINDER #4							
CYLINDER #5							
CYLINDER #6							
AIR PRESSURE							
WATER MAKE-UP TANK							
GAS METER READING							

**VENTURA STATION ENGINE DATA SHEET**  
**ENTERPRISE G-3**

ENGINE TIMER: START 5254 FINISH \_\_\_\_\_ TOTAL HOURS \_\_\_\_\_

INITIALS	JV		GV		JV		
DATE	6/10 - 6/17/13	6/10	6/12		6/14		
DAY		MON	TUE	WED	THUR	FRI	SUN
DISCHARGE PRESSURE							
SUCTION PRESSURE		f		f		f	
ENGINE RPM'S		f		f		f	
JACKET WATER PRESSURE		f		f		f	
JACKET WATER TEMP		f		f		f	
HEAT EXCHANGER TEMP							
INBOARD BEARING TEMP		D		D		D	
OUTBOARD BEARING TEMP		D		D		D	
AIR/FUEL PRESS - FRONT				D		D	
AIR/FUEL PRESS - BACK		O					
LUBE OIL LEVEL				O		O	
OIL ADDED TO ENGINE				O		O	
LUBE OIL ENG PRESS		W					
GEAR BOX OIL PRESSURE		W					
LUBE OIL FILTER				W		W	
CONVERTER TEMP TC-1		N					
CONVERTER TEMP TC-2							
CYLINDER #1				N		N	
CYLINDER #2		f				f	
CYLINDER #3		f				f	
CYLINDER #4		f		f		f	
CYLINDER #5		f		f		f	
CYLINDER #6		f		f		f	
AIR PRESSURE		f		f		f	
WATER MAKE-UP TANK		f		f		f	
GAS METER READING							

**VENTURA STATION ENGINE DATA SHEET**  
**ENTERPRISE G-3**

ENGINE TIMER: START 5643 FINISH 5746 TOTAL HOURS \_\_\_\_\_

INITIALS	JV		JV	JV	JV		
DATE	7/15		7/17	7/18	7/19		
DAY	7/15 - 7/22/17	MON	TUE	WED	THUR	FRI	SAT
SUN							
DISCHARGE PRESSURE				584		574	
SUCTION PRESSURE	S			114		112	
ENGINE RPM'S				399		398	
JACKET WATER PRESSURE				29		29	
JACKET WATER TEMP				165		163	
HEAT EXCHANGER TEMP				138		134	
INBOARD BEARING TEMP	D			131		129	
OUTBOARD BEARING TEMP				161		159	
AIR/FUEL PRESS - FRONT				.84	0	.84	
AIR/FUEL PRESS - BACK	O			.09		.09	
LUBE OIL LEVEL				3/8		3/8	
OIL ADDED TO ENGINE				22 GAL	W	15 Gals.	
LUBE OIL ENG PRESS				55		55	
GEAR BOX OIL PRESSURE	W			9		9	
LUBE OIL FILTER				62	M	63	
CONVERTER TEMP TC-1				870		884	
CONVERTER TEMP TC-2	N			832		845	
CYLINDER #1				1012		1015	
CYLINDER #2				1013		1001	
CYLINDER #3				1088		1073	
CYLINDER #4				1077		1081	
CYLINDER #5				1104		1086	
CYLINDER #6				1086		1088	
AIR PRESSURE				205		210	
WATER MAKE-UP TANK				FULL		FULL	
GAS METER READING							

**VENTURA STATION ENGINE DATA SHEET**  
**ENTERPRISE G-3**

ENGINE TIMER: START 5909 FINISH 6047 TOTAL HOURS \_\_\_\_\_

INITIALS	<u>JV</u>	<u>JV</u>	<u>CV</u>	<u>JV</u>	<u>CS</u>		
DATE	<u>8/5</u>	<u>8/6</u>	<u>8/7</u>	<u>8/8</u>	<u>8/9</u>		
DAY	<u>MON</u>	<u>TUE</u>	<u>WED</u>	<u>THUR</u>	<u>FRI</u>	<u>SAT</u>	<u>SUN</u>
DISCHARGE PRESSURE	<u>544</u>	<u>542</u>		<u>537</u>	<u>539</u>		
SUCTION PRESSURE	<u>113</u>	<u>113</u>		<u>113</u>	<u>114</u>		
ENGINE RPM'S	<u>386</u>	<u>387</u>		<u>386</u>	<u>383</u>		
JACKET WATER PRESSURE	<u>28</u>	<u>28</u>		<u>27</u>	<u>27</u>		
JACKET WATER TEMP	<u>163</u>	<u>163</u>		<u>163</u>	<u>160</u>		
HEAT EXCHANGER TEMP	<u>132</u>	<u>128</u>		<u>136</u>	<u>130</u>		
INBOARD BEARING TEMP	<u>128</u>	<u>126</u>		<u>128</u>	<u>127</u>		
OUTBOARD BEARING TEMP	<u>158</u>	<u>157</u>		<u>158</u>	<u>155</u>		
AIR/FUEL PRESS - FRONT	<u>.83</u>	<u>.83</u>		<u>.83</u>	<u>.850</u>		
AIR/FUEL PRESS - BACK	<u>.12</u>	<u>.11</u>		<u>.11</u>	<u>.112</u>		
LUBE OIL LEVEL	<u>3/8</u>	<u>3/8</u>		<u>3/8</u>	<u>3/8</u>		
OIL ADDED TO ENGINE	<u>16 Gals.</u>	<u>0</u>		<u>17 Gals.</u>	<u>8 Gals.</u>		
LUBE OIL ENG PRESS	<u>55</u>	<u>55</u>		<u>55</u>	<u>55</u>		
GEAR BOX OIL PRESSURE	<u>9</u>	<u>9</u>		<u>9</u>	<u>9</u>		
LUBE OIL FILTER	<u>63</u>	<u>63</u>		<u>60</u>	<u>63</u>		
CONVERTER TEMP TC-1	<u>819</u>	<u>819</u>		<u>833</u>	<u>826</u>		
CONVERTER TEMP TC-2	<u>797</u>	<u>801</u>		<u>806</u>	<u>805</u>		
CYLINDER #1	<u>977</u>	<u>978</u>		<u>976</u>	<u>988</u>		
CYLINDER #2	<u>981</u>	<u>989</u>		<u>998</u>	<u>981</u>		
CYLINDER #3	<u>1046</u>	<u>1061</u>		<u>1056</u>	<u>1050</u>		
CYLINDER #4	<u>1047</u>	<u>1070</u>		<u>1056</u>	<u>1063</u>		
CYLINDER #5	<u>1067</u>	<u>1080</u>		<u>1078</u>	<u>1081</u>		
CYLINDER #6	<u>1065</u>	<u>1081</u>		<u>1075</u>	<u>1087</u>		
AIR PRESSURE	<u>205</u>	<u>215</u>		<u>215</u>	<u>210</u>		
WATER MAKE-UP TANK	<u>Full</u>	<u>Full</u>		<u>Full</u>	<u>Full</u>		
GAS METER READING							

**VENTURA STATION ENGINE DATA SHEET**  
**ENTERPRISE G-3**

ENGINE TIMER: START 6282 FINISH 6366 TOTAL HOURS \_\_\_\_\_

INITIALS		TU	TU	TU	TU		
DATE	<u>9/2 - 9/9/13</u>	<u>9/3</u>	<u>9/4</u>	<u>9/5</u>	<u>9/6</u>		
DAY		MON	TUE	WED	THUR	FRI	SAT
DISCHARGE PRESSURE			549		556		
SUCTION PRESSURE			11.3		11.6		
ENGINE RPM'S			387		389		
JACKET WATER PRESSURE			28		28		
JACKET WATER TEMP			163		163		
HEAT EXCHANGER TEMP			138		140		
INBOARD BEARING TEMP			132		131		
OUTBOARD BEARING TEMP			165		164		
AIR/FUEL PRESS - FRONT			.82		.83		
AIR/FUEL PRESS - BACK			.13		.11		
LUBE OIL LEVEL			3/8		3/8		
OIL ADDED TO ENGINE			23 qts.		<del>0</del>		
LUBE OIL ENG PRESS			57		57		
GEAR BOX OIL PRESSURE			9		9		
LUBE OIL FILTER			65		64		
CONVERTER TEMP TC-1			793		825		
CONVERTER TEMP TC-2			775		814		
CYLINDER #1			958		1007		
CYLINDER #2			986		1014		
CYLINDER #3			982		1050		
CYLINDER #4			958		1059		
CYLINDER #5			1059		1085		
CYLINDER #6			1064		1060		
AIR PRESSURE			210		210		
WATER MAKE-UP TANK			Full		Full		
GAS METER READING							



**VENTURA STATION ENGINE DATA SHEET**  
**ENTERPRISE G-3**

ENGINE TIMER: START 6863 FINISH 6967 TOTAL HOURS \_\_\_\_\_

INITIALS	TU	TU	TU		TU		
DATE <u>10/14 - 10/21/13</u>	10/14	10/15	10/16		10/18		
DAY	MON	TUE	WED	THUR	FRI	SAT	SUN
DISCHARGE PRESSURE	560	5	561		561		
SUCTION PRESSURE	115	5	115		114		
ENGINE RPM'S	387		387		387		
JACKET WATER PRESSURE	28	5	28		28		
JACKET WATER TEMP	164	5	164		164		
HEAT EXCHANGER TEMP	136	5	130		136		
INBOARD BEARING TEMP	130		134		133		
OUTBOARD BEARING TEMP	164	0	171		169		
AIR/FUEL PRESS - FRONT	.83		.82		.82		
AIR/FUEL PRESS - BACK	.14		.16		.14		
LUBE OIL LEVEL	3/8	W	3/8		3/8		
OIL ADDED TO ENGINE	20 Gals.		0		15 Gals.		
LUBE OIL ENG PRESS	55	N	55		55		
GEAR BOX OIL PRESSURE	10		9		9		
LUBE OIL FILTER	64		63		64		
CONVERTER TEMP TC-1	810		774		786		
CONVERTER TEMP TC-2	785		762		768		
CYLINDER #1	995		964		973		
CYLINDER #2	1001		986		977		
CYLINDER #3	1055		967		973		
CYLINDER #4	1062		1059		1030		
CYLINDER #5	1064		1081		1069		
CYLINDER #6	1055		1060		1064		
AIR PRESSURE	220		205		200		
WATER MAKE-UP TANK	Full		Full		Full		
GAS METER READING							

**VENTURA STATION ENGINE DATA SHEET**  
**ENTERPRISE G-3**

ENGINE TIMER: START 7223 FINISH 7325 TOTAL HOURS \_\_\_\_\_

INITIALS	JV	JV	JV	RV	RV		
DATE	11/18	11/19	11/20	11/21	11/22		
DAY	MON	TUE	WED	THUR	FRI	SAT	SUN
DISCHARGE PRESSURE			527	521			
SUCTION PRESSURE	D		112	110			
ENGINE RPM'S			377	378			
JACKET WATER PRESSURE			27	27			
JACKET WATER TEMP			151	163			
HEAT EXCHANGER TEMP	O	D	95	128			
INBOARD BEARING TEMP			98	126			
OUTBOARD BEARING TEMP			96	155	O		
AIR/FUEL PRESS - FRONT		O	.82	.80			
AIR/FUEL PRESS - BACK	W		.13	.13	W		
LUBE OIL LEVEL			3/8	3/8	W		
OIL ADDED TO ENGINE			O	O			
LUBE OIL ENG PRESS		W	60	58	N		
GEAR BOX OIL PRESSURE	M		14	9			
LUBE OIL FILTER			70	65			
CONVERTER TEMP TC-1		M	720	760			
CONVERTER TEMP TC-2			736	766			
CYLINDER #1			991	954			
CYLINDER #2			983	965			
CYLINDER #3			1051	991			
CYLINDER #4			1040	1048			
CYLINDER #5			1063	1088			
CYLINDER #6			1080	1074			
AIR PRESSURE			200	205			
WATER MAKE-UP TANK			+ Vll	Full			
GAS METER READING							



