

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:

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Time Period Covered by Compliance Certification

01 / 01 / 19 (MM/DD/YY) to 12 / 31 / 19 (MM/DD/YY)



February 5, 2020

Ventura County Air Pollution Control District Attn.: Ed Swede 669 County Square Drive Ventura, CA 93003 Via USPS Priority Claim No. 9405 5118 9956 1732 3356 51

Subject:

2020 Title V Annual Compliance Certification Ventura Harbor Station, Facility ID 00082

Dear Mr. Swede:

Enclosed is the Title V Annual Compliance Certification for Crimson California Pipeline, L.P.'s Ventura Harbor Station Facility ID 00082. This report covers the compliance period of January 1, 2019 through December 31, 2019.

Should any questions arise, please do not hesitate to contact Crimson Environmental at (562) 285-4040.

Respectfully,

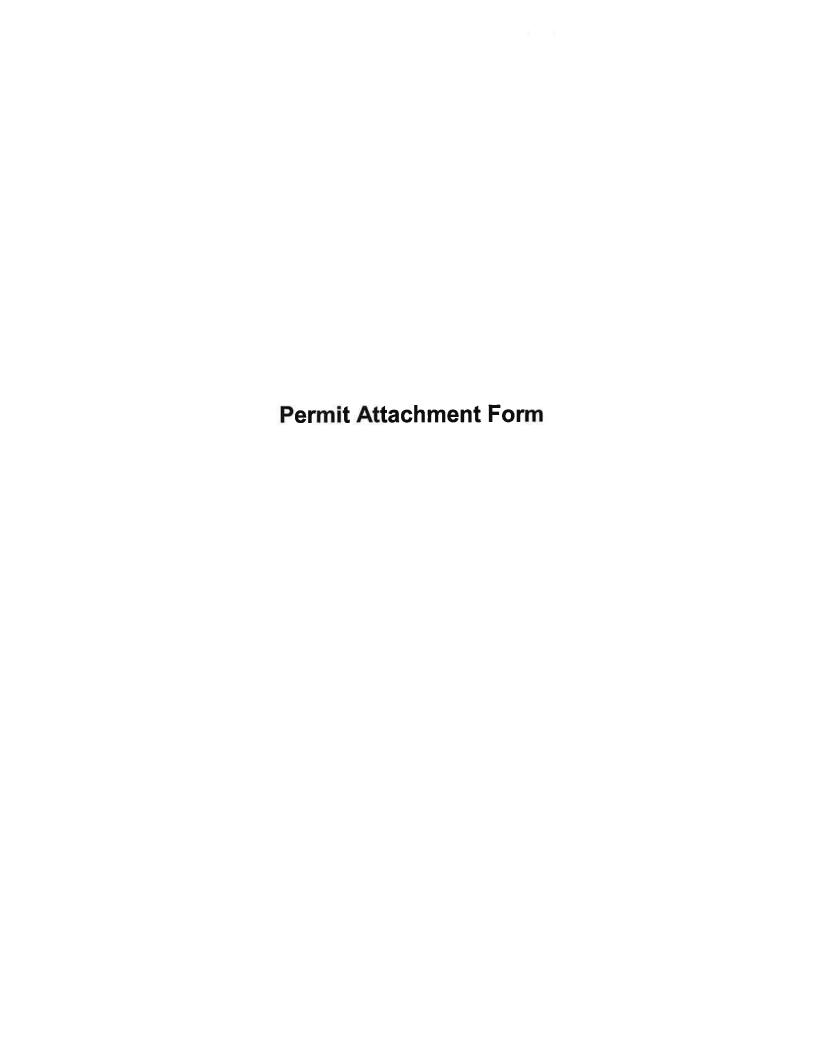
Valerie Muller

Environmental Specialist

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CC: Mr. Gerardo Rios, Chief, EPA Region 9

Enclosures: Title V Annual Compliance Certification 1/1/2019 – 12/31/2019





A. Attachment # or Permit Condition #: Att. No. 71.2N2, Rules 71.2.B.4, 71.2.C.1 B. Description: External floating roof crude oil storage tank ≥ 40,000 gallons	D. Frequency of monitoring: Annually	
Rules 71.2B4, 71.2C.1, 71.2D, 71.2E	Source test reference method, if applicable. Attach Source Test Summary Form, if applicable Rule 71.2 Inspection	
C. Method of monitoring: Primary and secondary seals were inspected on 5/22/2019.	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): I H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form	
A. Attachment # or Permit Condition #: Att. No. 71.4N1, Rules 71.4.B.2, 71.4.C.2	D. Frequency of monitoring:	
B. Description: Sumps, pits, and ponds with covers. Fugitive emissions monitoring	Quarterly	
and integrity of cover	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable EPA Method 21	
C. Method of monitoring:	F. Currently in Compliance? (Y or N): Y	
Quarterly fugitive emissions (Rule 74.10) inspections were conducted 3/13, 6/27, 9/11, and 12/18/2019. The integrity of the cover was	G. Compliance Status? (C or I):	
verified. No leaks greater than 10,000 ppm were discovered.	H. *Excursions, exceedances, or other non-compliance? (Y or N): N	
	*If yes, attach Deviation Summary Form	
A. Attachment # or Permit Condition #: Att. No. 74.9N3, Rules 74.9.B.1 and B.2	D. Frequency of monitoring:	
B. Description: Stationary natural gas fired - rich-burn internal combustion engine	Quarterly	
quarterly inspections and biennial source test.	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable	
	CARB Method 100	
C. Method of monitoring:	F. Currently in Compliance? (Y or N):Y_	
Quarterly Emissions testing has been conducted as follows: Q2: 6/7 (G-3 S/N 54050); G-1 S/N 72B01367 exempt as per 74.9B(5)	G. Compliance Status? (C or I):	
Q3: 9/17 (G-3 S/N 54050); G-1 S/N 72B01367 exempt as per 74.9B(5)	H. *Excursions, exceedances, or	
Q4: 10/22 (G-3 S/N 54050); 12/12 (G-1 S/N 72B01367).	other non-compliance? (Y or N): N	
The last Biennial Source Test was performed on 1/10/2019.	*If yes, attach Deviation Summary Form	



Period Covered by Compliance Certification: __01__/__19__(MM/DD/YY) to __12__/__31__/__19__(MM/DD/YY)

A. Attachment # or Permit Condition #: Att. No. 40CFR63ZZZZN5 B. Description:	D. Frequency of monitoring: Every 1,440 hours or annually, whichever comes first E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A	
RICE MACT for non-emergency 4SRB =< 500 HP oil and filter change maintenance.		
C. Method of monitoring: Maintenance records, hours of operation.	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form	
A. Attachment # or Permit Condition #: Att. No. PO0082PC1 - Cond. No. 1, Rule 26 B. Description: Throughput and consumption limits.	D. Frequency of monitoring: Monthly	
	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A	
C. Method of monitoring: Facility throughput and fuel consumption for engines and/or tanks recorded monthly.	F. Currently in Compliance? (Y or N):Y G. Compliance Status? (C or I):C H. *Excursions, exceedances, or other non-compliance? (Y or N):N *If yes, attach Deviation Summary Form	
A. Attachment # or Permit Condition #: Att. No. PO0082PC1 - Cond. No. 2, Rule 26	D. Frequency of monitoring:	
B. Description: Combustion equipment shall burn only natural gas.	Intermittent	
	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A	
C. Method of monitoring: Combustion equipment only burns natural gas.	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form	



Period Covered by Compliance Certification: __01__/__01__/__19__(MM/DD/YY) to __12__/__31__/__19__(MM/DD/YY)

A. Attachment # or Permit Condition #: Att. No. PO0082PC1 - Cond. No. 3, Rule 29	D. Frequency of monitoring:	
B. Description:	Monthly	
Solvent usage and exemptions.		
	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable	
	N/A	
C. Method of monitoring:	F. Currently in Compliance? (Y or N): Y	
Safety data sheets and additional information of any solvents used	G. Compliance Status? (C or I):C	
during this compliance period obtained and reviewed. Usage of required solvents logged monthly.	H. *Excursions, exceedances, or	
Trequired solvents logged monthly.	other non-compliance? (Y or N): N	
	*If yes, attach Deviation Summary Form	
A. Attachment # or Permit Condition #: Att. No. PO0082PC2, Rules 26 and 74.9	D. Frequency of monitoring:	
B. Description:	Quarterly	
BACT for Caterpillar Engine G-1 - emissions limits (ROC, NOx, CO).		
Monitor Air:Fuel ratio controller readings quarterly.	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable	
	CARB Method 100	
C. Method of monitoring:	F. Currently in Compliance? (Y or N):Y	
Biennial source test last conducted on 1/10/2019. Air:Fuel ratio controllers monitored on Engine Data Sheets.	G. Compliance Status? (C or I):	
Controllers monitored on Engine Data Officers.	H. *Excursions, exceedances, or	
	other non-compliance? (Y or N): N	
	*If yes, attach Deviation Summary Form	
A Augustus and the District Condition the condition the	D. Frequency of monitoring:	
A. Attachment # or Permit Condition #: Att. No. 50, Rule 50		
B. Description: Opacity observation at the facility.	Intermittent	
Spacity observation at the facility.	E. Source test reference method, if applicable.	
	Attach Source Test Summary Form, if applicable	
	EPA Method 9	
C. Method of monitoring:	F. Currently in Compliance? (Y or N): Y	
Opacity conducted by AirX Testing Services, Inc. on 1/10/2019.	G. Compliance Status? (C or I):	
Opacity surveillance and visual inspections of emissions conducted	H. *Excursions, exceedances, or	
and recorded on fugitive emission log.	other non-compliance? (Y or N): N	
	*If yes, attach Deviation Summary Form	



A. Attachment # or Permit Condition #: Att. No. 54.B.1, Rule 54.B.1	D. Frequency of monitoring:	
B. Description: Sulfur emissions from combustion operations at point of discharge;	Intermittent	
follow monitoring requirements under Rule 64.	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A	
C. Method of monitoring: Facility follows monitoring requirements under Rule 64. Only PUC grade natural gas combusted at this facility. No additional periodic monitoring required.	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N	
	*If yes, attach Deviation Summary Form	
A. Attachment # or Permit Condition #: Att. No. 54.B.2, Rule 54.B.2	D. Frequency of monitoring:	
B. Description: Emission of sulfur compunds.	Intermittent	
	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A	
C. Method of monitoring:	F. Currently in Compliance? (Y or N): Y	
Only PUC grade natural gas combusted at this facility.	G. Compliance Status? (C or I):C	
	H. *Excursions, exceedances, or	
	other non-compliance? (Y or N): N *If yes, attach Deviation Summary Form	
	ii yes, attacii beviation edilinary romi	
A. Attachment # or Permit Condition #: Att. No. 55, Rule 55	D. Frequency of monitoring:	
B. Description: Fugitive Dust.	Intermittent	
	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A	
C. Method of monitoring:	F. Currently in Compliance? (Y or N): Y	
No dust generating activities were conducted at this facility during this compliance period.	G. Compliance Status? (C or I):	
compliance pendu.	H. *Excursions, exceedances, or other non-compliance? (Y or N): N	
	*If yes, attach Deviation Summary Form	



A. Attachment # or Permit Condition #: Att. No. 57.1, Rule 57.1 B. Description:	D. Frequency of monitoring:	
Particulate matter emissions from fuel burning equipment.	internition	
	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A	
C. Method of monitoring: This facility does not have any fuel burning equipment such as boilers, steam generators, process heaters, water heaters, flares, and gas turbines. Internal combustion engines do not apply.	F. Currently in Compliance? (Y or N): Y G. Compliance Status? (C or I): C H. *Excursions, exceedances, or other non-compliance? (Y or N): N	
	*If yes, attach Deviation Summary Form	
A. Attachment # or Permit Condition #: Att. No. 64.B.1, Rule 64.B.1	D. Frequency of monitoring:	
B. Description: Sulfur content of fuels - gaseous fuel requirements.	Intermittent	
	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A	
C. Method of monitoring:	F. Currently in Compliance? (Y or N): Y	
Only PUC grade natural gas combusted at this facility. No periodic monitoring required.	G. Compliance Status? (C or I):C	
	H. *Excursions, exceedances, or other non-compliance? (Y or N): N	
	*If yes, attach Deviation Summary Form	
	D. Frequency of monitoring:	
A. Attachment # or Permit Condition #: Att. No. 74.6, Rule 74.6	, ,	
B. Description: Solvent cleaning activities.	Intermittent	
	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable	
	N/A	
C. Method of monitoring:	F. Currently in Compliance? (Y or N):Y	
No reportable solvents used at this facility during this compliance	G. Compliance Status? (C or I):C	
period.	H. *Excursions, exceedances, or other non-compliance? (Y or N):N	
	*If yes, attach Deviation Summary Form	



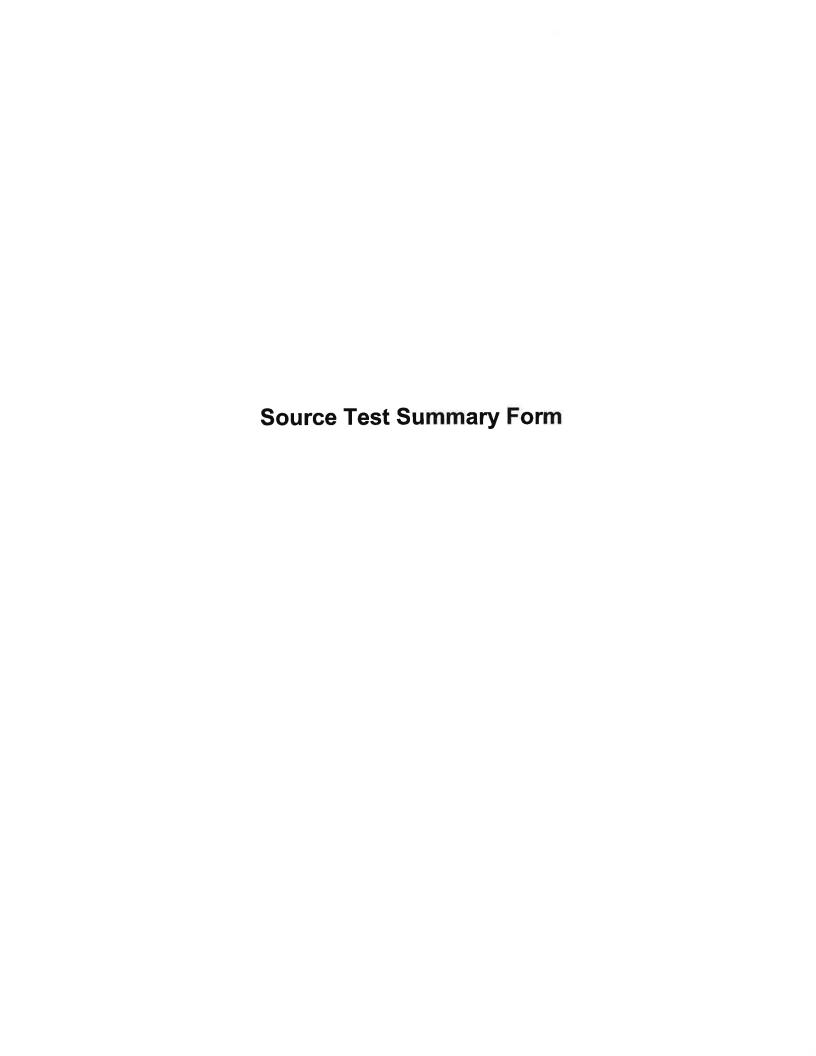
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A. Attachment # or Permit Condition #: Att. No. 74.10, Rule 74.10	D. Frequency of monitoring:
B. Description:	Quarterly
Fugitive leak and leak inspections.	
	Source test reference method, if applicable. Attach Source Test Summary Form, if applicable
	EPA Method 21
C. Method of monitoring:	F. Currently in Compliance? (Y or N): Y
Quarterly component leak detection inspections conducted on 3/13,	G. Compliance Status? (C or I):C
6/27, 9/11, and 12/18/2019. Routine surveillance at this unmanned facility recorded on fugitive emission log.	H. *Excursions, exceedances, or
Tability 10001000 off Tagitivo officolori log.	other non-compliance? (Y or N): N
	*If yes, attach Deviation Summary Form
A. Attachment # or Permit Condition #: Att. No. 74.11.1, Rule 74.11.1	D. Frequency of monitoring:
B. Description:	Intermittent
Large water heaters and small boilers.	
	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable
	N/A
C. Method of monitoring:	F. Currently in Compliance? (Y or N): Y
This facility is not equipped with large water heaters or small boilers.	G. Compliance Status? (C or I):C
	H. *Excursions, exceedances, or
	other non-compliance? (Y or N): N
	*If yes, attach Deviation Summary Form
	T
A. Attachment # or Permit Condition #: Att. No. 74.22, Rule 74.22	D. Frequency of monitoring:
B. Description:	Intermittent
Requirements for natural gas-fired fan-type central furnaces,	E. Source test reference method, if applicable.
	Attach Source Test Summary Form, if applicable
	N/A
	F. Currently in Compliance? (Y or N): Y
C. Method of monitoring:	1. Sunonay in Compilation.
This facility is not equipped with fan-type central furnaces.	G. Compliance Status? (C or I):C
	H. *Excursions, exceedances, or
	other non-compliance? (Y or N): N
	*If yes, attach Deviation Summary Form



A. Attachment # or Permit Condition #: Att. No. 74.1, Rule 74.1 B. Description:	D. Frequency of monitoring: Intermittent	
Abrasive blasting.		
	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A	
C. Method of monitoring:	F. Currently in Compliance? (Y or N):Y	
No abrasive blasting activities were conducted at this facility during this compliance period.	G. Compliance Status? (C or I):C H. *Excursions, exceedances, or	
	other non-compliance? (Y or N):N_	
	*If yes, attach Deviation Summary Form	
A. Attachment # or Permit Condition #: Att. No. 74.2, Rule 74.2	D. Frequency of monitoring:	
B. Description: Architectural coatings.	Intermittent	
	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A	
C. Method of monitoring:	F. Currently in Compliance? (Y or N): Y	
No architectural coatings were applied at this facility during this compliance period.	G. Compliance Status? (C or I):C	
	H. *Excursions, exceedances, or other non-compliance? (Y or N): N	
	*If yes, attach Deviation Summary Form	
A. Attachment # or Permit Condition #: Att. No. 74.26, Rule 74.26	D. Frequency of monitoring:	
B. Description: Crude oil storage tank degassing operations.	Intermittent	
	E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable	
	N/A	
C. Method of monitoring:	F. Currently in Compliance? (Y or N): Y	
No crude oil storage tank degassing activities were conducted at this	G. Compliance Status? (C or I):C	
facility during this compliance period.	H. *Excursions, exceedances, or	
	other non-compliance? (Y or N): N	
	*If yes, attach Deviation Summary Form	



A. Attachment # or Permit Condition #: Att. No. 74.29N3, Rule 74.29	D. Frequency of monitoring:	
B. Description:	Intermittent	
Soil decontamination operation.		
	Source test reference method, if applicable. Attach Source Test Summary Form, if applicable	
	N/A	
C. Method of monitoring:	F. Currently in Compliance? (Y or N): Y	
No soil decontamination activities were conducted at this facility during this compliance period.	G. Compliance Status? (C or I):C	
during this compliance period.	H. *Excursions, exceedances, or	
	other non-compliance? (Y or N): N	
	*If yes, attach Deviation Summary Form	
A. Attachment # or Permit Condition #: Att. No. 40CFR.61.M, Rule 40 CFR Part 61, Subpart M	D. Frequency of monitoring:	
B. Description:	Intermittent	
National emission standards for asbestos.	THE STREET	
	E. Source test reference method, if applicable.	
	Attach Source Test Summary Form, if applicable	
C. Method of monitoring:	F. Currently in Compliance? (Y or N): Y	
No asbestos removal, renovation, or demolition activities were	G. Compliance Status? (C or I):	
conducted at this facility during this compliance period.	H. *Excursions, exceedances, or	
	other non-compliance? (Y or N): N	
	*If yes, attach Deviation Summary Form	
A. Attachment # or Permit Condition #:	D. Frequency of monitoring:	
B. Description:	Jan Hodgario, or mailmaning.	
B. Description.		
	E. Source test reference method, if applicable.	
	Attach Source Test Summary Form, if applicable	
C. Method of monitoring:	F. Currently in Compliance? (Y or N):	
	G. Compliance Status? (C or l):	
	H. *Excursions, exceedances, or	
	other non-compliance? (Y or N):	
	*If yes, attach Deviation Summary Form	





Period Covered by Compliance	e Certification: 01 / 01	/ 19 (MM/DD/YY) to 12 / 31	_ / (MM/DD/YY)	
A. Emission Unit Description:			B. Pollutant:	
415 HP Caterpillar NG Rich	Burn Engine G-1 (S/N 72B0		NOx	
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date: 1/10/2019 (Biennial	
5.60 ppmv @ 15% O2	9 ppmv @ 15% O2	AirX Testing Services, Inc.	Source Test)	
A Emission Unit Descriptions			B. Pollutant:	
A. Emission Unit Description:			B. Foliulani.	
415 HP Caterpillar NG Rich	Burn Engine G-1 (S/N 72B01	1367)	со	
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:	
41.21 ppmv @ 15% O2	1,000 ppmv @ 15% O2	AirX Testing Services, Inc.	1/10/2019 (Biennial Source Test)	
		All A resulty Services, Inc.		
A. Emission Unit Description:			B. Pollutant:	
415 HP Caterpillar NG Rich Burn Engine G-1 (S/N 72B01367)			ROC	
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or	F. Test Date:	
<0.9 ppmv @ 15% O2	1,00 ppmv @ 15% O2	Monitoring Record Citation:	1/10/2019 (Biennial Source Test)	
AirX Testing Services, Inc. Source Test)				
A. Emission Unit Description:			B. Pollutant:	
•				
465 HP Enterprise GSG-6 N	G Rich Burn Engine G-3 (S/I	N 54050)	NOx	
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or	F. Test Date:	
6.8 ppmv @ 15% O2	25 ppmv @ 15% O2	Monitoring Record Citation:	1/10/2019 (Biennial Source Test)	
		AirX Testing Services, Inc.	300,000,000,	
A. Emission Unit Description:			B. Pollutant:	
A. Emission Unit Description.			B. Politicant.	
465 HP Enterprise GSG-6 NG Rich Burn Engine G-3 (S/N 54050)			со	
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date: 1/10/2019 (Biennial	
1,451 ppmv @ 15% O2	4,500 ppmv @ 15% O2	AirX Testing Services, Inc.	Source Test)	
1				



Period Covered by Compliance	Certification: 01 01	/ (MM/DD/YY) to / _31	/ <u>19</u> (MM/DD/YY)
A. Emission Unit Description:			B. Pollutant:
465 HP Enterprise GSG-6 No	G Rich Burn Engine G-3 (S/I	N 54050)	ROC
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
1.2 ppmv @ 15% O2	250 ppmv @ 15% O2	AirX Testing Services, Inc.	1/10/2019 (Biennial Source Test)
A. Emission Unit Description:			B. Pollutant:
-			
415 HP Caterpillar NG Rich I		-	NOx
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
Exempt as per Rule 74.9B.5(b)	N/A	N/A	Q2
A. Emission Unit Description:			B. Pollutant:
415 HP Caterpillar NG Rich I	Burn Engine G-1 (S/N 72B01	1367)	со
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or	F. Test Date:
Exempt as per Rule 74.9B.5(b)	N/A	Monitoring Record Citation: N/A	Q2
A. Emission Unit Description:			B. Pollutant:
465 HP Enterprise GSG-6 No	G Rich Burn Engine G-3 (S/I	N 54050)	NOx
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:
11.35 ppmv @ 15% O2	25 ppmv @ 15% O2	AirX Testing Services, Inc.	6/7/2019
A. Emission Unit Description:			B. Pollutant:
465 HP Enterprise GSG-6 NG Rich Burn Engine G-3 (S/N 54050)			со
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or	F. Test Date:
3,907 ppmv @ 15% O2	4,500 ppmv @ 15% O2	Monitoring Record Citation: AirX Testing Services, Inc.	6/7/2019



Period Covered by Compliance	Certification: 01 / 01	/ (MM/DD/YY) to /	1 / 19 (MM/DD/YY)
A. Emission Unit Description:			B. Pollutant:
415 HP Caterpillar NG Rich I	Burn Engine G-1 (S/N 72B01	1367)	NOx
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or	F. Test Date:
Exempt as per Rule 74.9B.5(b)	N/A	Monitoring Record Citation: N/A	Q3
A. Emission Unit Description:			B. Pollutant:
A. Emission Our Description.			D. I Ollutant.
415 HP Caterpillar NG Rich I	Burn Engine G-1 (S/N 72B01	1367)	co
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or	F. Test Date:
Exempt as per Rule 74.9B.5(b)	N/A	Monitoring Record Citation:	Q3
1100 17.00.0(0)		IN/A	
A. Emission Unit Description:			B. Pollutant:
-			
465 HP Enterprise GSG-6 N	G Rich Burn Engine G-3 (S/I	N 54050)	NOx
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or	F. Test Date:
13.6 ppmv @ 15% O2	25 ppmv @ 15% O2	Monitoring Record Citation: AirX Testing Services, Inc.	9/17/2019
		All A Tobility Col violo, i.i.c.	
A. Emission Unit Description:			B. Pollutant:
465 HP Enterprise GSG-6 No	G Rich Burn Engine G-3 (S/I	N 54050)	со
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or	F. Test Date:
2,713 ppmv @ 15% O2	4,500 ppmv @ 15% O2	Monitoring Record Citation:	9/17/2019
, ,,		AirX Testing Services, Inc.	
A. D. JJ. a Held December 19			B. Pollutant:
A. Emission Unit Description:			D. Tonumi.
C. Measured Emission Rate:	D. Limited Emission Rate:	E. Specific Source Test or	F. Test Date:
		Monitoring Record Citation:	



Certification: 01 / 01	/ (MM/DD/YY) to / /	/ <u>19</u> (MM/DD/YY)	
A. Emission Unit Description:			
Burn Engine G-1 (S/N 72B01	1367)	NOx	
D. Limited Emission Rate:	E. Specific Source Test or	F. Test Date:	
9 ppmv @ 15% O2	AirX Testing Services, Inc.	12/12/2019	
		B. Pollutant:	
		B. Tollutant.	
Burn Engine G-1 (S/N 72B01	1367)	co	
D. Limited Emission Rate:	E. Specific Source Test or	F. Test Date:	
1,000 ppmv @ 15% O2	AirX Testing Services, Inc.	12/12/2019	
A. Emission Unit Description:			
465 HP Enterprise GSG-6 NG Rich Burn Engine G-3 (S/N 54050)			
D. Limited Emission Rate:	E. Specific Source Test or	F. Test Date:	
25 ppmv @ 15% O2	AirX Testing Services, Inc.	10/21/2019	
		B. Pollutant:	
G Rich Burn Engine G-3 (S/I	N 54050)	со	
D. Limited Emission Rate:	E. Specific Source Test or	F. Test Date:	
4,500 ppmv @ 15% O2	AirX Testing Services, Inc.	10/21/2019	
	<u> </u>		
		B. Pollutant:	
C. Measured Emission Rate: D. Limited Emission Rate: E. Specific Source Test or			
D. Limited Emission Rate:	E. Specific Source Test or Monitoring Record Citation:	F. Test Date:	
	Burn Engine G-1 (S/N 72B01 D. Limited Emission Rate: 9 ppmv @ 15% O2 Burn Engine G-1 (S/N 72B01 D. Limited Emission Rate: 1,000 ppmv @ 15% O2 G Rich Burn Engine G-3 (S/I D. Limited Emission Rate: 25 ppmv @ 15% O2 G Rich Burn Engine G-3 (S/I D. Limited Emission Rate: 25 ppmv @ 15% O2	Monitoring Record Citation: AirX Testing Services, Inc. Burn Engine G-1 (S/N 72B01367) D. Limited Emission Rate: 1,000 ppmv @ 15% O2 B. Specific Source Test or Monitoring Record Citation: AirX Testing Services, Inc. B. Specific Source Test or Monitoring Record Citation: AirX Testing Services, Inc. B. Specific Source Test or Monitoring Record Citation: AirX Testing Services, Inc. B. Specific Source Test or Monitoring Record Citation: AirX Testing Services, Inc. B. Specific Source Test or Monitoring Record Citation: AirX Testing Services, Inc. C. Specific Source Test or Monitoring Record Citation: AirX Testing Services, Inc.	

Attachment 71.2N3 Annual Tank Seal Inspection Report

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.	. 150305 Permit N	lo. OOO82		Inspection Date	5/22/2019	Time	10:50am	
ls this a F	ollow-up Inspection?	Yes No X	f yes, Date of Previous	Inspection:				
		010000						
A.	COMPANY INFORMAT	2777.1						
	Company Name	Crimson Pipeline L.P.		Ventura	Zip 93003			
	Location Address	1200 Spinaker Road	City	Santa Paula	Zip 93060			
	Mailing Address	210 North 12th Street	City Title	Supervisor	Zip couco			
	Contact Person	Tim Eggleston 805-525-6312	1108	Supervisor		-1		
	Phone	000-323-0312						
В.	INSPECTION CONDUC	TED BY:						
- •	Name	Matt Story	Title	Inspector				
	Company Name	Beacon Energy Services	, Inc. Phone	562-997-3087	=-	61		
	Mailing Address	2685 Temple ave	City	Signal Hill	Zip 90755	_,		
C.	TANK INFORMATION:						-40	
		50,000 Installation C	-	Diameter	150'	—Ht.	51'	
	Product Type	Crude Product RVP		T 01 10 -11-1				
	Type of Tank	/\	Welded	Other (Describe)			_	
	Color of Shell		or of Roof White	Other (Describe)				
	Roof Type	A .	Double Deck				•	
	Xexterusi	floating roof	nternal floating roof					
D.	GROUND LEVEL INSP	ECTION:						
	1) Product Temperatu		Product	Level	16' - 0"		_	
	3) List type and location of leaks found in tank shell.							
	No leaks found in shell		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				_	
							-	
.	INTERNAL FLOATING					B/ 1 (C)		
VA		between floating roof and fixe		eter.		_% LEI	•	
		ection of roofs and secondary		·				
	3) Are all roof openings	covered?		i i Yes	tion (I) and no	socod to	nad /H//6\	
-	EVERNAL EL CATINO	POOF TANK	if no, ex	plain in comments sec	uon (J) and pro	ICGBO (O	pair (17)(0)	
•.	EXTERNAL FLOATING	ched) indicate the location o	f the ladder moldrai	n/e) anti-mation devic	re/s) nlafform	naume w	ell .	
		iched) indicate the location of tenances. Note information :				Acodo M	w,	
		the seal fabric. Describe and			-			
	None							
		e External Floating seal insp	ection, record the LE	L% reading within 3 fe	et of the seal	LEL	- 0	

VENTURA COUNTY AIR POLLUTION CONTROL DISTRICT RULE 71.2 INSPECTION REPORT

Tank No.	150305	Permit N	lo	00082			- 2				
G.	FROM GAUGER PLATE	ORM:									
	1) Observe the entire floa	eting roof:									
	Is the roof	badly warps	ed or buckled	?	No	X	Yes		NA		
	Is there an	y obvious d	amage?		No	ιĝ	Yes		NA		
	2) Are there liquid hydrod	arbons on I	the roof?		No	Ĵ	Yes		NA		
	3) Is there water ponding				No	Û	Yes		NA	LT.	
	Occasionally pools of water are usually a result of inadequete slope for damage or from a leaky geodesic dome roof. These do									These do	
	not become a hazard unle										
	4) For an External Floating		· ·								
	deteriorated condition	•			No		Yes		NA	177	
						•					
H.	SEAL INSPECTION:										
	1) Secondary Seal Inspection										
	a) Type of Secondary Se		Single wipe	r							
	b) Does 1/2" probe drop ;	past seal?	No 🗽	Yes			If yes	measu	re length(s)	and show on d	iagram
	c) Does 1/8' probe drop i		No 🗍	Yes			_			and show on d	
	d) Record dimensions for		> 1/8'			>1/2	•	0	40		
	*NOTE: Record the actua		cumulative le	ngth of gaps	in fee	t and in	ches.	Do not in	clude >1/8"	gaps in 1/2" m	easures
				•						- '	
	2) Primary Seal Inspect	ion									
	a) Type of Primary Seal:		Tube	Other [
	b) (shoe seal) does 1-1/2)	No 🗒	Yes		If yes	measu	re length(s)	and show on d	liagram
	c) (shoe seal) does 1/2" p	-	•	No 🗋	Yes	[]	If yes	measu	re length(s)	and show on d	iagram
NA	d) (tube seal) does 1/2" p			No 🗔	Yes	^	If yes	measu	re length(s)	and show on d	iagram
	e) (all seal types) does 1/			No 🗔	Yes	J	•			and show on d	
	f) Record dimensions of g	•		> 1/8		1			>1/2"	2'-8" >1-1/	2" 0
	*NOTE: Record the actua			ngth of gaos	in fee	t and in	ches.	Do not in	clude 1/8" 1	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

VENTURA COUNTY AIR POLLUTION CONTROL DISTRICT RULE 71.2 INSPECTION REPORT

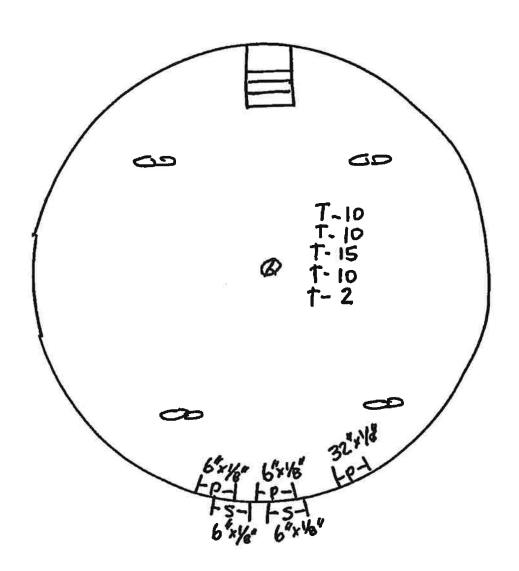
No.	15	0305	Permit No.	00082		-,					
	CALCULAT	IONS - Cor	mplete all applicable po	ortions of the follow	ing:						
	Gaps in Primary Seal between 1/8" and 1/2" 1 (feet)							0	(Inches)		
			Primary Seal between		2	_ (feet)	8		(inches)		
	Gaps in Primary Seal greater than 1-1/2" 0 (feet) Gaps in Secondary Seal between 1/8" and 1/2" 1 (feet)							0	(inch	•	
								0	(Inch	•	
	Gaps in Secondary Seal > 1/2" 0 (feet)							0	_(Inch		
	Multiply dia										
		5% Circu	ımference = Diameter	X 0.157 =	23.55	60% Circ. = Dian	neter X	1.88 =		2	B2
		10% Circ	cumference = Diamete	r X 0.314 =	47.1	90% Circ. = Dian	neter X	2.83 =	424.5		
		30% Circumference = Diameter X 0.942 = 141.3 95% Circ = Diam								4	47
	2) Were any tears in the seaks found? 3) Is the product level lower than the level at which the roof would be floating? 4) Secondary Seal: Did 1/2" probe drop between the shell and seal? Did cumulative 1/8" - 1/2" gap exceed 5% of the tank circumference length? 5) Primary Seal: Shoe Did 1-1/2" probe drop between the shell and seal? Did cumulative 1/2" - 1-1/2" gap exceed 10% circumference length?							x x x	Yes Yes Yes Yes Yes		
			ulative 1/8" - 1/2" gap e			-	No	X	Yes		
		Did any	single continuous 1/8°	- 1-1/2" gap excee	d 10% circu	imference length?	No	X	Yes		
	Tube		probe drop between th				No		Yes		NA
	Did cumulative 1/8" - 1/2" gap exceed 95% circumference length?							Ų	Yes		NA
	If "yes" is checked for any of the above items the tank is Out of Com									CO	
-			14.1								
0											
81	7) Does tanl	•	nit conditions? Ik comply with these co				No No		Yes Yes		

VENTURA COUNTY AIR POLLUTION CONTROL DISTRICT RULE 71,2 INSPECTION REPORT

ank No.	150305	Permit No.	00082				
ina	COMMENTS: Use this section to complete answers to above listed items and to describe repairs made to the tank; include date a repairs were made.						
	TANK IS IN COMPLIANC	E AT THIS TIME					
	A Art						
	I (We) certify the foregol	ng information to b	e correct to the be	est of my (Our) knov	viedge.		
	Inspection completed by	Matt Story M	MISTORY	Cert ID	MS003	Date	5/22/2019
	signature Compliance status by	Robert Hoppenra	th	Cert ID	RH003	Date	<i>5/22/2</i> 019
	signature Company Representative sionature	Matt Smalle	ey MA	Cert ID		Date 57	130/17

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 AIR POLLUTION CONTROL DISTRICT RULE 71.2 INSPECTION REPORT



Attachment 71.4N1

Rule 74.10 Quarterly Component Leak Report

MONTROSE AIR QUALITY SERVICES

Ventura County APCD

Rule 74.10 Component Leak Report

Company

Crimson Pipeline, LLC

District ID

00082

Facility

Ventura Harbor Pump Station

Contact

EH&S Department

1200 Spinnaker Dr., Ventura, CA 93003

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 03/13/2019

MONTROSE ALR QUALITY SERVICES

Facility

Ventura County APCD

Rule 74.10 Component Leak Report

Company Crimson Pipeline, LLC

Ventura Harbor Pump Station

1200 Spinnaker Dr., Ventura, CA 93003

District ID 00082

Contact EH&S Department

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 06/27/2019

Ventura County APCD MONTROSE

Rule 74.10 Component Leak Report

Company

Crimson Pipeline, LLC

Facility

Ventura Harbor Pump Station

1200 Spinnaker Dr., Ventura, CA 93003

00082 District ID

Contact

EH&S Department

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 09/11/2019



Facility

Ventura County APCD

Rule 74.10 Component Leak Report

Company Crimson Pipeline, LLC

Ventura Harbor Pump Station

District ID 00082

Contact EH&S Department

1200 Spinnaker Dr., Ventura, CA 93003

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 12/18/2019

Attachment 74.9N3

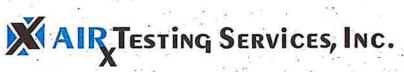
Quarterly Emissions Screenings / Biennial Source Test



SUMMARY OF SOURCE TEST RESULTS

Crimson Pipeline Harbor CAT ICE 1/10/2019

CONSTITUENTS	MEA	SURED VA	LUES	AVERAGE	ALLOWABLE
	Run #1	Run #2	Run #3		
Oxides of Nitrogen					
ppmv	18.6	19.8	21.2	19.8	-
ppmv @ 15% O2	5.24	5.58	5.97	5.60	9
lb/hr	0.049	0.052	0.055	0.052	-
lb/MMBtu	0.019	0.021	0.022	0.021	- 0
gm/BHP-hr	0.053	0.057	0.061	0.057	- 9
Carbon Monoxide (Actual Observed)					
ppmv	191.4	133.4	113.2	146.0	_
ppmv @ 15% O2	54.01	37.65	31.97	41.21	1000
lb/hr	0.30	0.21	0.18	0.23	-
lb/MMBtu	0.12	0.084	0.072	0.092	_
gm/BHP-hr	0.33	0.23	0.20	0.25	-
Carbon Monoxide (10% Full Scale)					
ppmv	< 500	< 500	< 500	< 500	-
ppmv @ 15% O2	< 141	< 141	< 141	< 141	1000
lb/hr	< 0.80	< 0.80	< 0.80	< 0.80	
lb/MMBtu	< 0.32	< 0.32	< 0.32	< 0.32	:••
gm/BHP-hr	< 0.87	< 0.87	< 0.87	< 0.87	
Total Non-Methane/Ethane Hydocarbons, as CH4					
ppmv, dry	< 2.5	< 2.5	< 2.5	< 2.5	227
ppmv @ 15% O2, dry	-	- 2.5	- 2.5	< 0.9	100
lb/hr	< 0.0028	< 0.0028	< 0.0028	< 0.0028	-
Oxygen, %	0.0	0.0	0.0	0.0	
Caygon, 70	0.0	0.0	0.0	0.0	-
Stack Flowrate, dscfm	366	366	366	366	-
Moisture, %	17.9	17.9	17.9	17.9	
Fuel Usage, cfm	40.0	40.0	40.0	40.0	 :



SUMMARY OF SOURCE TEST RESULTS Crimson Pipeline Harbor Enterprise ICE 1/10/2019

			-	
MEAS	URED VAL	LUES	AVERAGE	Allowable
Run #1	Run #2	Run #3		8 11 18 18 18 8 111
1000 111		ICUIL III		9 ·
24.0	24.3	23.8	24.0	
				25
				23.
				7
0.072	0.072	0.071	0.07	
N 90 (8)				- N 81 V
25	220		5.1	244.5
4057	5000	5214	5722	
				icaa
				45.00
				e \ \
				, u =
8.80	9.47	9.62	9.30	-
2 8	200			8 a 10 f
14	fis ja 🖫	·	g Miller Skr	,
Ne je	894: 2		11	-
				250
0.0048	0.0046	0.0027		230
0.0040	0.0040	0.0027	0.0040	- a a
82.0	35 ME 185	Tar.	ata ji sal	
0.0	0.0	. 00	0.0	
0.0	0.0		2000	Mario A
		a for		
366	366	366	366	14
200	200	200	300	
170	17.0	17 0	170	
200		11.2	1.7.7	-
40.0	40.0	40.0	40.0	2 × .
	Run #1 24.0 6.8 0.063 0.025 0.072 4857 1374 7.75 3.08 8.80 14 - 0.0048 0.0 366 17.9	Run #1 Run #2 24.0 24.3 6.8 6.9 0.063 0.064 0.025 0.025 0.072 0.072 4857 5228 1374 1478 7.75 8.34 3.08 3.31 8.80 9.47 14 0.0048 0.0046 0.0 0.0 366 366 17.9 17.9	24.0 24.3 23.8 6.8 6.9 6.7 0.063 0.064 0.062 0.025 0.025 0.025 0.072 0.071 4857 5228 5314 1374 1478 1500 7.75 8.34 8.47 3.08 3.31 3.36 8.80 9.47 9.62 14 0.0048 0.0046 0.0027 0.0 0.0 0.0 366 366 366 17.9 17.9 17.9	Run #1 Run #2 Run #3 24.0 24.3 23.8 24.0 6.8 6.9 6.7 6.8 0.063 0.064 0.062 0.063 0.025 0.025 0.025 0.025 0.072 0.071 0.07 4857 5228 5314 5133 1374 1478 1500 1451 7.75 8.34 8.47 8.19 3.08 3.31 3.36 3.25 8.80 9.47 9.62 9.30 14 - 4.4 - - 4.4 1.2 0.0048 0.0046 0.0027 0.0040 0.0 0.0 0.0 0.0 366 366 366 366 17.9 17.9 17.9 17.9



SUMMARY OF SOURCE TEST RESULTS

Quarterly Emission Testing Crimson Pipeline Ventura Harbor Pump Station G-3

6/7/2019

				Allowable
Oxides of Nitro	gen (NOx)			
	ppmv		39.92	-
	ppmv @ 15% O2		<i>11.35</i>	25
			13	
Carbon Monox	ide (CO)	2		
	ppmv		13746	_
	ppmv @ 15% O2		3907	4500
Oxygen (O2),	percent		0.14	#

Note: Reported values represent a 15 minute average.



July 23, 2019

Ed Swede Air Quality Engineer Ventura County Air Pollution Control District 669 County Square Drive Ventura, CA 93003 Via E-mail ed@vcapcd.org

Subject:

2019 Second Quarter Emission Testing Exemption

415 HP Caterpillar NG Rich Burn Engine Ventura Harbor Station (Facility ID 00082)

Dear Ed:

For the second quarter of 2019, the following equipment was exempt from Rule 74.9B.5 quarterly emission testing requirements:

415 HP Caterpillar NG Rich Burn Engine (S/N 72B01367) at Ventura Harbor Station (ID 00082)

Per Rule 74.9B.5(b): "the engine operated less than 32 hours in each of the three months of the applicable quarter, as measured by a non-resettable elapsed operating hour meter".

The operating hours of the Caterpillar engine during the second quarter of 2019 are as follows:

MONTH	HOURS		
April	0		
May	0		
June	0		

The remaining equipment was tested on June 7th, 2019:

465 HP Enterprise GSG-6 NG Rich Burn Engine (S/N 54050) at Ventura Harbor Station (ID 00082)

The above-mentioned quarterly emission testing report is included with this letter. Should you have any questions, please do not hesitate to contact Crimson Environmental at (562) 285-4040.

Respectfully,

Valerie Muller

(e-signature)

Valerie Muller Environmental Specialist



SUMMARY OF SOURCE TEST RESULTS

Quarterly Emission Testing
Crimson Pipeline
Ventura Harbor Pump Station
Enterprise Engine #G-3 (S/N 54050)

9/17/2019

94		(SES)		Allowable
Oxides of Nitro	gen (NOx)			Milomibie
	ppmv		47.6	2 <u> </u>
	ppmv @ 15% O2		13.6	25
, ,	6			
Carbon Monoxi	ide (CO)	(* *)		
.1	ppmv		9486	= /-
	ppmv @ 15% O2		2713	4500
		, J.		
Oxygen (O2),	percent		0.27	100 100

Note: Reported values represent a 15 minute average.



October 10, 2019

Ed Swede Air Quality Engineer Ventura County Air Pollution Control District 669 County Square Drive Ventura, CA 93003 Via E-mail ed@vcapcd.org

Subject: 2019 Third Quarter Emission Testing Exemption

415 HP Caterpillar NG Rich Burn Engine Ventura Harbor Station (Facility ID 00082)

Dear Ed:

For the third quarter of 2019, the following equipment was exempt from Rule 74.9B.5 quarterly emission testing requirements:

415 HP Caterpillar NG Rich Burn Engine (S/N 72B01367) at Ventura Harbor Station (ID 00082)

Per Rule 74.9B.5(b): "the engine operated less than 32 hours in each of the three months of the applicable quarter, as measured by a non-resettable elapsed operating hour meter".

The operating hours of the Caterpillar engine during the third quarter of 2019 are as follows:

MONTH	HOURS
July	0
August	0
September	0

The remaining equipment was tested on September 17th 2019:

465 HP Enterprise GSG-6 NG Rich Burn Engine (S/N 54050) at Ventura Harbor Station (ID 00082)

The above-mentioned quarterly emission testing report is included with this letter. Should you have any questions, please do not hesitate to contact Crimson Environmental at (562) 285-4040.

Respectfully,

Valerie Muller

(e-signature)

Valerie Muller Environmental Specialist



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

10/22/2019

i			e 8		ı.	llowable
Oxides of Nitro	gen (NOx)					
*	ppmv	2		28.4	0 1	_
k	ppmv @, 15% O2			8.0	180	<i>25</i>
	183	54			5 a 98	
Carbon Monox	ide (CO)					
	ppmv			10740	3	9 4
3 2	ppmv @ 15% O2			3034		4500
	ч.	7 (4)				
Oxygen (O2),	percent			0.0		=
Opacity, %				0.0	(91) (2)	10%
•		£1.				

Note: Reported values represent a 15 minute average.

SUMMARY OF SOURCE TEST RESULTS

Quarterly Emission Testing Crimson Pipeline Ventura Harbor Pump Station G-1

12/12/2019

			Allowable
Oxides of Nitrog	gen		
	ppmv	19.2	_
	ppmv @ 15% O2	5.4	9
Carbon Monoxi	de (Actual)		
	ppmv	96.0	-
	ppmv @ 15% O2	27.1	1000
Carbon Monoxi	de <i>(10% FS)</i>		
	ppmv	< 100	₩
	ppmv @ 15% O2	< 28.3	1000
Oxygen (O2),	percent	0.0	_

Note: Reported values represent a 15 minute average.

Attachment P00386PC1 Monthly Throughput and Facility Fuel Consumption



HARBOR STATION FUEL USE & SEALS IN OPERATION 2019

1000 GAL	THROUGHPUT	YEAR	6,819.6	5,920.0	6,900.5	5,706.2	7,303.1	6,501.7	7,749.4	7,996.9	7,608.4	8,033.7	7,595.6	6,154.3		84,289.4
1000 GAL	THROUGHPUT	YEAR %	8.09%	7.02%	8.19%	6.77%	8.66%	7.71%	9.19%	9.49%	9.03%	9.53%	9.01%	7.30%		100.00%
BBLS.	TANK	THROUGHPUT	162,371	140,953	164,298	135,861	173,883	154,803	184,509	190,403	181,152	191,278	180,848	146,531	e.	2,006,890
SEALS IN OP	YEAR	%	8.38%	7.63%	B.74%	6.74%	8.42%	7.53%	9.13%	9.49%	9.10%	9.45%	7.99%	7.38%		100.00%
HOURS	TOTAL		235	214	245	189	236	211	256	266	255	265	224	207		2803
**PAINT	(GALLONS)		0	0	0	0	0	0	0	0	0	0	0	0		0
SOLVENT	(GALLONS)		0	0	0	0	0	0	0	0	0	0	0	0		0
HOURS	TOTAL		235	214	245	189	236	211	256	266	255	265	224	207		2803
(0)	YEAR	%	8.28%	7.63%	8.74%	6.74%	8.42%	7.53%	9.13%	9.49%	9.10%	8.17%	2,46%	4.85%		90.55%
HOURS	ខ		232	214	245	189	236	211	256	266	255	229	69	136		, 2538
	YEAR	%	0.11%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	1.28%	5.53%	2.53%		9.45%
HOURS	5		3	0	0	0	0	0	0	0	0	36	155	71		265
BBLS.	TANK	THROUGHPUT	162,371	140,953	164,298	135,861	173,883	154,803	184,509	190,403	181,152	191,278	180,848	146,531		2,006,890
FUEL USE	TOTAL	(CUBIC FEET)	510,100	467,200	543,800	417,400	521,800	454,300	541,300	577,500	556,900	560,800	429,100	485,600		6,065,800
	YEAR	%	9.12%	8.46%	9.85%	7.56%	9.45%	8.23%	9.81%	10.46%	10.09%	8.78%	2.39%	5.78%		100.00%
FUEL	(CUBIC FEET)	G2	503,588	467,200	543,800	417,400	521,800	454,300	541,300	577,500	556,900	484,616	132,178	319,042		546,176 100.00% 5,519,624 100.00% 6,065,800
	YEAR	%	1.19%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	%00.0	13.95%	54.36%	30.50%		100.00%
FUEL	(CUBIC FEET)	61	6,512	0	0	0	0	0	0	0	0	76,184	296,922	166,558		546,176
MONTH			JAN	FEB	MAR	APR	MAY	NON	JUL	AUG	SEP	OCT	NOV	DEC		TOTAL

*ALSO REFER TO FUEL USE ROLLING TWELVE MONTH TABLE ATTACHED

Attachment Number 50

Opacity Observation/Fugitive Emission Inspection Logs



if any	compone	nt is leakin	g, mi	nimiz	e leak, not	ify Super	/isor	
DAY	MON	TUES		ED	THUR	FRI	SAT	SUN
COMPONENT				LE	AKING (Y	/N)	-	
G-1 PUMP SEAL	N	N		/	N	n/	N	N
G-3 PUMP SEAL	N	N	~		N	من	N	N
STATION VALVES	N	N	N		N.	N	N	1~
TANK VALVES	1	N	N	,	W	N	N	N
SUMP	N	W	N	,	W	W	N	N
BOOSTER SEAL	N	~	Λ		N	iv	N	N
MIXER SEAL	N	N	n		N	¥	N	N
PIG LAUNCHER	N	W	μ	-	N.	W	N	N
1/21/18 INITIAL:	DM	56	6	T	4	31	ct	CH
DATE:	1-21-	122	1	23	1-24	1.75	1.26	- A - A
B. OPACITY CHECK				308	N.O.	03 W. S.		
ENGINE	VISUAL	EMISSIO	NS		DATE	TIME		INITIAL
Caterpillar G-1	ΠY		-				7	
Enterprise G-3	ΠY	Ø-N		1:	27	8:00	-	CH
C. COMMENTS			10				m	OB THE STATE OF

				_				



if any	compone	nt is leakin	ıg, minimiz	ze leak, no	tify Supen	risor	
DAY	MON	TUES	WED	THUR	FRI	SAT	SUN
COMPONENT			LE	EAKING (Y	7N)	<u> </u>	-!
G-1 PUMP SEAL	N	N	N	N	N	W	TN
G-3 PUMP SEAL	N	N	N	N	N	v	T N)
STATION VALVES	N	N	N	N	N	N	W/
TANK VALVES	N	N	N	۲	N	N	TW
SUMP	N	N	N	N	N	N	11)
BOOSTER SEAL	N	NN		N	N	N	W
MIXER SEAL	W	W	N	2	N	N	N
PIG LAUNCHER	N	N	N	N	N	W	N
INITIAL:	8	186	40	CXY	CH	4	50
2-4-19 DATE:	2.4	2.5	26	2:1	2.8	29	2:10
B. OPACITY CHECK				NAME OF THE OWNER, OF THE OWNER, OF THE OWNER, OF THE OWNER, OWNER, OWNER, OWNER, OWNER, OWNER, OWNER, OWNER,			
ENGINE	VISUAL	EMISSIO	NS	DATE	TIME		INITIAL
Caterpillar G-1	ПΥ	□N					
Enterprise G-3	ПΥ	Ø∕N		26	5.00	1	in
C. COMMENTS			THE PERSON NAMED IN	DESCRIPTION OF THE PERSON			A STATE OF THE PARTY OF THE PAR



If any	compone	nt is leakin	ıg, minimi	ze leak, no	tify Superv	risor	
DAY		TUES	WED	THUR	FRI	SAT	SUN
COMPONENT			L	EAKING (Y	7N)	711	-
G-1 PUMP SEAL	N	N	14	in	~	N	N
G-3 PUMP SEAL	N	N	N	N	N	N	N
STATION VALVES	1	W	N	w	N	N	N
TANK VALVES	N	N	N	N	W	4	4
SUMP	M	N	N	N	N	N	N
BOOSTER SEAL	~	N.	N	N	W	U	N
MIXER SEAL	N	N	N	N	W	N	N
PIG LAUNCHER	4	N	N	w	N	Ŋ	N
INITIAL:	30	क्ष	31	51	55	cH	CH
3 /8-19 DATE:	3.18	3.19	200	3.21	3.22	3.23	3.20
B. OPACITY CHECK							
ENGINE	VISUAL	EMISSIO	NS	DATE	TIME		VITIAL
Caterpillar G-1	ΠY	□N					
Enterprise G-3	ПΥ	GLN.		7-14	5:45	9	r



If any	compone	ent is leakin	ıg, minimi	ze leak, no	tify Super	visor		
DAY	MON	TUES	WED	THUR	FRI	SAT	SUN	
COMPONENT		- A- 4	L	EAKING (Y	/N)			
G-1 PUMP SEAL	N	W	~	111	N	l XI	W	
G-3 PUMP SEAL	N	N	W	N	N	1/	K	
STATION VALVES	N	74	N	W	n.	N	N	
TANK VALVES	N	w	N	N	N	N	N	
SUMP	N	N	N	W	N	N	n	
BOOSTER SEAL	N	W	N	w	W	W	n	
MIXER SEAL	N	N	N	W	N	W	W	
PIG LAUNCHER	N	n	N	N	N	×	N	
INITIAL:	50	51	55	30	SI	30	Jo	
4-22-19 DATE:	4.22	4-23	4-24	424	4.26	4/27	4/28	
B. OPACITY CHECK							1/20	
ENGINE	VISUAL	EMISSIO	NS	DATE	TIME	3175	NITIAL	
Caterpillar G-1	ПΥ	□ N						
Enterprise G-3	ΠY	PLN		4.25	5:30	9	1	
						2 - 2 - 2		



If any	/ compone	ent is leakin	g, minimiz	e leak, no	tify Super	visor	
DAY		TUES	WED	THUR	FRI	SAT	SUN
COMPONENT		-	LE	AKING (Y	//N)		
G-1 PUMP SEAL		N	~	N	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	N	W
G-3 PUMP SEAL		N	N	N	U	N	N
STATION VALVES		N	60	iv	W	N	11
TANK VALVES		N	W	N	N	N	1
SUMP		N	N	W	N	1	N
BOOSTER SEAL		N	N	N	N	1	
MIXER SEAL		WA		W	V	1	N
PIG LAUNCHER		N	N	N	N	N	N
INITIAL:		St	50	26	51	N	1
5-20-19 DATE:		5.21	3-22	523	5-24	5-25	5-20
B. OPACITY CHECK							
ENGINE	VISUAL	EMISSIO	S DATE		TIME		NITIAL
Caterpillar G-1	ΠY	□ N					
Enterprise G-3	ПΥ	Ø-N	5.	-23	11:000	m =	N)
COMMENTS	Andrew State of the last of th						# C. I



If any	compone	ent is leaking	, minimiz	e leak, not	ify Supervi	isor	
DAY		TUES	WED	THUR	FRI	SAT	SUN
COMPONENT			LE	AKING (Y	/N)		
G-1 PUMP SEAL	Ju.	~	N	N	N		
G-3 PUMP SEAL	N	~	N	2	N		1
STATION VALVES	N	N	N	N	N		1
TANK VALVES	N	~	N	N	P		1
SUMP	N	N	N	N	'n	====	1/
BOOSTER SEAL	N	69	N	2	N		11
MIXER SEAL	N	N	N	N	N		1/
PIG LAUNCHER	N	N	W	2	N		1/
INITIAL:	8	CH	9	cH	CH		"
6/17/19 DATE:	6/17	6/12	6/19	6/20	6/21		6.23
B. OPACITY CHECK				100	A A A Sain		
ENGINE	VISUAL	L EMISSIONS	S	DATE	TIME	T I	NITIAL
Caterpillar G-1	ПΥ	□N					Manual Comment
Enterprise G-3	ПΥ	ΔN		6/17	830		20
C. COMMENTS			(Paralli			NO. OF THE PARTY NAMED IN	21
		-1				A Company	
							3
						-	
							-



	If any	compone	nt is leakin	g, minimi:	ze leak, no	tify Super	visor		
	DAY	MON	TUES	WED	THUR	FRI	SAT	SUI	
cet sove	NF I			LF	EAKING (Y	//N)			
G-1 PUMP S	SEAL	N	N	W	W	N	N	11/	
G-3 PUMP S	SEAL	N	N	N	W	N	N	1	
TI TON V	MLVES	N	W	N	N	V	N	10	
AY . VALV	ES	a	N	N	N	N	N	1	
SUVE		~	N	N	W	N	1	1	
100STERS	EAL	v	N	w	N	N			
WHE SEAL		N	N	N	W	N	2		
AUNCHER		W	N	W	N	W	v	-	
	INITIAL:	51	SA	36	31	50	2	20	
12/9/19	The state of the s	12/9	12/10	12/11	12/12	12/13	17/14	12/15	
	CHECK		Fraker.					12/13	
NUME		VISUAL	EMISSION	IS	DATE	TIME		INITIAL	
24 - 11 E G	1	ПΥ	\square N						
		ΞY	KN	1	z/n	05:0V		=1	
4. TYLEN	S	AVI HEAL	3.76.4.18	THE RELATION	VID-YC-SEAT		526.532	71	



LOCATION: Ventura Harbor #00082

lf an	/ compone	nt is leakin	g, minimiz	e leak, no	tify Super	visor	
DAY		TUES	WED	THUR	FRI	SAT	SUN
COL PONENT			LE	AKING (Y	/N)		
G-1 PUMP SEAL	M	N	W	·/\'	iv	1	
G-3 PUMP SEAL	N	N	N	N	IN	N	1
DIR TION VALVES	W	N	N	N	iv		N
AN. YALVES	N	N	W	N	W	- N	N
SulviP'	N	W	N	N	W		N
TOCSTER SEA!	IV.	N	N	N	W	_ N	N
L. R.SEAL	N.	N	W	W	W	N	N
PLAUNCHER	N	W.	N	N	W	N	N
INITIAL:	4	50	30	50	51	CS	C5
10/28/19 DATE:	10/28	10/29	10/30	10/31	1111	11.2	11.3
OPACITY CHECK						TO A STATE OF THE PARTY OF THE	11.5
NOINE	VISUAL	EMISSION	IS C	DATE	TIME		NITIAL
		₹ N	K	120	17:30		78
	크로	□N		1			
		-		The second second			

* * T 10 H



If any	compone	ent is leaking	g, minimiz	ze leak, not	ify Super	visor	
DAY		TUES	WED	THUR	FRI	SAT	SUN
COMPONENT			LE	AKING (Y	/N)		
G-1 PUMP SEAL	N	N	N	~	N	N	1/
G-3 PUMP SEAL	M	N	₹	~	N	N	1
STATION MADVES	N	N	N	N	N	N	1
.ANCVALVES	N	N	N	w	N	N	N
SUVP	W	N	įν.	N	N	1/	N
ROOSTER SEAL	N	N	N	v	N	N	N
(WER SEA)	W	N	iv	N	Ŋ	1	N
AUNCHER	iN	N	iV	a	V	W	1
INITIAL:	4	30	30	50	C/ł	RP	21
19/19 DATE:	10/14	10/15	10/16	10/17	FIJOI	10/19	10/20
PACITY CHECK							
ENGINE	VISUAL	EMISSION	18	DATE			INITIAL
aut-rolliar G-1	ПΥ	□N					
1 (II) 11-	⊇∀	XN	k	0/14	1:00	2	P
COMMENTS	STATE	The state of the state of	THE REAL PROPERTY.	THE PARTY OF		DIES MA	



A. COMPONENT DES							S-SITE S	
If any	compone	ent is leakii	ng, n	ninimi	ze leak, no	tify Super	visor	
DAY	MON	TUES	V	VED	THUR	FRI	SAT	SUN
COMPONENT				LE	EAKING (//N)		
G-1 PUMP SEAL	1/	IX.		N	N	W	W	Iw
G-3 PUMP SEAL	N	r ⁄		W	N	N	N	V
STATION VALVES	M	N	١,	/	W	W	W	T N
TANK VALVES	4	~	,	U	N	N	N	N
SUMP	H	N	1	v	N	N	N	W
BOOSTER SEAL	4	N	И	V	N	N	W	I W
MIXER SEAL	N	N	·^)	N	n	W	I N
PIG LAUNCHER	N	N	^	,	N	N	N	N
/ INITIAL:	OP	JP	28	Ð	0	MP.	CH	ett
9/25/19 DATE:	9/23	9/24	9/15		9/21	9/27	aho	0/12
B. OPACITY CHECK		1 Page	1		420	1/1	1/28	1/21
ENGINE	VISUAL	. EMISSIO	NS		DATE	TIME	AND DESCRIPTION	INITIAL
Caterpillar G-1	- Q-Y	Æ N		9/	11/10	- O(a51)	-	D
Enterprise G-3	□Y	×Ν		9	24/19	060)
C. COMMENTS			100	-/	1	000	Janes II	
						A STATE OF THE	No leader 10	of Experience of the
			-					



A. COMPONENT DES		SALI SITTIFICA				TENERS !		1	
					ze leak, no	tify Super	visor*	*	
DAY	MON	TUES	W	ED	THUR	FRI	S	AT	SUN
COMPONENT				LE	EAKING (Y	//N)	1		
G-1 PUMP SEAL	N	N		J	N	N	T /	N	M
G-3 PUMP SEAL	w	N	1	7	~	N	1	r	n
STATION VALVES	2	N	1	U	N	N	,	V	n
TANK VALVES	ν	N		N	N	N	-	~	10
SUMP	W	N		٣	N	V		N	70
BOOSTER SEAL	N	N		N	N	N		<u> </u>	
MIXER SEAL	N	N		2	N	~		ע	N
PIG LAUNCHER	N	N	_	N	N	N		2	N
INITIAL:	20	3	CI		cH	CH	cH		Clt
8/5/19 DATE:	8/5	8/6	41	-	818	8/9			
B. OPACITY CHECK	t los los		MEN	E ST		6/-(181	10	8/11
ENGINE	VISUAL	EMISSIO	NS		DATE	TIME	1	10	VITIAL
Caterpillar G-1	ПΥ	□и			7.1.2	1,1111	-	II	MITAL
Enterprise G-3	ΠY	₽ N		5	3/6	100	DIM	-	
C. COMMENTS			5.43	Stir	76	Service of the servic	(V y	10 10 10	50
			1000		CHERNIE	STATE AND ASSESSED.	100	C. L.	1000
	1								



COMPONENT G-1 PUMP SEAL G-3 PUMP SEAL STATION VALVES TANK VALVES SUMP BOOSTER SEAL	MON N N N	N N N	WED	THUR EAKING (\) \(\nabla \) \(\nabla \) \(\nabla \)	FRI	SAT	SUN N
G-1 PUMP SEAL G-3 PUMP SEAL STATION VALVES TANK VALVES SUMP BOOSTER SEAL	N N N	N N	k N H	N	(/N) // // // // // // // // // // // // //		
G-3 PUMP SEAL STATION VALVES TANK VALVES SUMP BOOSTER SEAL	N N N	N N	k N H	N	N	1	N
STATION VALVES TANK VALVES SUMP BOOSTER SEAL	w w	N N	N	W	N	N	N
TANK VALVES SUMP BOOSTER SEAL	w w	N	Н			N	1
BOOSTER SEAL	w	N		100		1 /	(C)
BOOSTER SEAL	w		- 1	N	N	N	N
MYED SEAL	1	1 MZ 1	И	N		N	1
MYED CEAL	W	N	×	W	N	N	1/
	n	N	4	N		r/	N/
	/	a	H	N	N	N	1/1
INITIAL: 5	1	B	to	81	CH	M	N
> 15- 1	.15	7.16	7/17	7/13	11.5-27.11.01	2/200	7/1/
B. OPACITY CHECK			Manager Park	110	7/19	7/20	7/2/
NGINE V	ISUAL	EMISSION	vs I	DATE	TIME	ME PER LEVI	OTIAL
] Y	□N		7.1.2	LIMIC		NITIAL
interprise G-3] Y	₽N	7	1.13	D: 47a		n
COMMENTS	SY IN	WH2 (42)	The Land		8:00	8	<u> </u>

40 CFR 63ZZZZN7

Maintenance Records and Hours of Operations



LOCATION: V. Harbor #00082 ENGINE:

Caterpillar G-1

START DATE: 1/21 ENGINE HOUR: 260	119			ISH DATE			
ENGINE HOUR: 2601	5	_	ENGI	NE HOUR	260	57	_
Within 200 hrs or 1 w	eek of ne: **If ves. n	xt required otify Main	d oil & fiite tenance Le	r change?	☐ Yes	□ No	
B. INSPECTION	MON	TUES	The state of the s	THUR	FRI	SAT	SUN
DISCHARGE PRESSURE (psi)				_		-	454.
SUCTION PRESSURE (psi)	0	0	0	1	1	10	
ENGINE RPM'S	1	737	1-1/-		-	+	106,7
JACKET WATER PRESURE (psi)	0	0	0	0	0	2741	351
JACKET WATER TEMP (°F)				W	-	10	25
HEAT EXCHANGER TEMP (*F)	w	10	W	1	100	1.	175.9
INBOARD BEARING TEMP (°F)	1			-	-	V	140
OUTBOARD BEARING TEMP (°F)	11	1 M	W	16	N	W	ハフ・フ
FRONT AIR/FUEL PRESSURE (psi)	1				-	N	143.3
REAR AIR/FUEL PRESSURE (psi)		ī		- 1	7	1	-1370
LUBE OIL LEVEL		$\vdash \vdash$	1	-	-		1880
OIL ADDED TO ENGINE (gai)				===	-		1/2
LUBE OIL ENG PRESS (psi)						-	0
GEAR BOX OIL PRESSURE (psi)				-		-	60
LUBE OIL FILTER			1			-	10
CONVERTER TEMP TC-1 (°F)					-	-	65
CONVERTER TEMP TC-2 (°F)							748
CYLINDER #1 (°F)				-			7/3
CYLINDER #2 (°F)		1		-	-		144
CYLINDER #3 (*F)					-1-	1-1-	908
CYLINDER #4 (°F)	1			-			936
CYLINDER #5 (°F)		-t		-			474
CYLINDER #6 (*F)						-	962
AIR PRESSURE (psi)					-		999
WATER MAKE-UP TANK LEVEL		-		-			200
GAS METER READING		-1-				-	EII
INITIAL	Om	50	59	SI	图?		-/-
DATE:	1-2.1	1.22	1.23	1.24	1.25	1.26	cH 1,27



LOCATION: V. Harbor #00082

ENGINE:

Caterpillar G-1

A. ENGINE TIMER		DE SUN					
START DATE: 2:4.	19	_	FIN	ISH DATE	2.10	19	
ENGINE HOUR: 2610	1				261		-
Within 200 hrs or 1 w	eek of ne: ™If yes, n	– xt required otify Main	d oil & filte tenance L	r change	? □ Yes	□ No	•
B. INSPECTION	MON	TUES	WED	THUR	FRI	SAT	SUN
DISCHARGE PRESSURE (psi)			439	1	439.9	:=0	
SUCTION PRESSURE (psi)			lou	+	107.3	\rightarrow	1
ENGINE RPM'S	1		350		351		
JACKET WATER PRESURE (psi)	1	+	25	D	25		
JACKET WATER TEMP (°F)		0	173	- V	170.2	0	
HEAT EXCHANGER TEMP (°F)	V	11/	125	0	130	7	
INBOARD BEARING TEMP (°F)			106	-	11.3	0	-A
OUTBOARD BEARING TEMP (°F)	0	0	137	10	1301	W	$\vdash \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \!$
FRONT AIR/FUEL PRESSURE (psi)		1.4	1097	N	-166	-	-
REAR AIR/FUEL PRESSURE (psi)	w	10	.197	-	1275	N	0
LUBE OIL LEVEL	-00		1/2		1/2	-	-0
OIL ADDED TO ENGINE (gal)	41	11	20991			-	
LUBE OIL ENG PRESS (psi)	W		59	-	60	-	(X)
SEAR BOX OIL PRESSURE (psi)			8		10		
UBE OIL FILTER	1	1	43	-	65	-	T
CONVERTER TEMP TC-1 (*F)			799		786	-	
CONVERTER TEMP TC-2 (°F)			711		705		
CYLINDER #1 ("F)			936		936		1
CYLINDER #2 ("F)			925	-	444	_	-
CYLINDER #3 (°F)			932		918	-+-	-
CYLINDER #4 (*F)			972		483	-	-
CYLINDER #5 (°F)	21 - 22		969	1			
YUNDER #6 (°F)			994	 -	964		-
UR PRESSURE (psi)			200			-	
VATER MAKE-UP TANK LEVEL			EVU		715		
SAS METER READING			-		Full		
INITIAL:	र्छ।	41	41	CH		3	51
DATE:	2.4	1.5	26	2.7		2-9	2.10



LOCATION: V. Harbor #00082 ENGINE:

Caterpillar G-1

START DATE: 3 /8	.19		FIN	IISH DATE	7.2	1-19	
ENGINE HOUR: 2640				INE HOUR	110		-
Within 200 hrs or 1 w	eek of ne	– xt required	oil & filte	r change?	□ Yes	□ No	
	'If yes, n	otify Maint	enance L	ead**	— 1995 — 1		
B. INSPECTION	MON	TUES	WED	THUR	FRI	SAT	SUN
DISCHARGE PRESSURE (psi)		454		451	443	D	D
SUCTION PRESSURE (psi)		157	1	100	103	0	
ENGINE RPM'S	0	354	2	353	351	W	0
JACKET WATER PRESURE (psi)	-5	27	1	27	27	N	N
JACKET WATER TEMP (*F)	0	177	0	177	127	\ \tilde{-}	1
HEAT EXCHANGER TEMP ("F)	دما	128		135		-	
NBOARD BEARING TEMP (°F)		1/3	Cs.	112	132	 -	+
OUTBOARD BEARING TEMP ("F)	N	143		142	142		-
FRONT AIR/FUEL PRESSURE (psi)		,000	IV			37 7	\vdash
REAR AIR/FUEL PRESSURE (psi)	1	. 201		.198	درى		-
UBE OIL LEVEL	1	1/8		7/8	.212		-
OIL ADDED TO ENGINE (gal)		di		20	78		-
UBE OIL ENG PRESS (psi)		61		61	61	-	-
SEAR BOX OIL PRESSURE (psi)	_	12	-				
UBE OIL FILTER		65		65	12		-
CONVERTER TEMP TC-1 (*F)	-	766			65		
CONVERTER TEMP TC-2 (°F)		721		776	775		
CYLINDER #1 (°F)	1	943			7/9		-
YLINDER #2 ("F)	-	940		945	946		-
CYLINDER #3 ("F)	_	136	\rightarrow	151	947	+	
YLINDER #4 (°F)	1	188	-	576	178	-	\dashv
YLINDER #5 (°F)		964	-+	187	964		-
YLINDER #6 (°F)		NII	_	183	187	-	
JR PRESSURE (psi)	+	7/0	-	1005	1003	-	
VATER MAKE-UP TANK LEVEL			4-	ZlO	2/0	-	
AS METER READING		Full		Ful/	Full		
INITIAL:	8	81	81	750	51	-011	
DATE:		3.19	320	321	3:22	2:23	CH



LOCATION: V. Harbor #00082 ENGINE:

Caterpillar G-1

EL Entermise G-3

START DATE: 4/22	.17		FIN	IISH DATE	4.2	8.19	
ENGINE HOUR: ZULB			ENG	INE HOUR	26.7	24	£.
Within 200 hrs or 1 w	eek of ne	– xt required	oil & filte	r change?	☐ Yes	TI No	6
	li yes, n	otify Maint	enance L	ead**			
B. INSPECTION	MON	TUES	WED	THUR	FRI	SAT	SUN
DISCHARGE PRESSURE (psi)				456			A
SUCTION PRESSURE (psi)				107		1	
ENGINE RPM'S		0	0	353		-+	-
JACKET WATER PRESURE (psi)	1	1	1)	25	0		\rightarrow
JACKET WATER TEMP (°F)			-	171	-	1-1-	1
HEAT EXCHANGER TEMP (°F)	0	0	0	140	0	-	-
NBOARD BEARING TEMP (*F)				115		++i	
OUTBOARD BEARING TEMP (*F)	اسا	10	IN	143		1	-
RONT AIR/FUEL PRESSURE (psi)				105	w		-
REAR AIR/FUEL PRESSURE (psi)	W	10				 	1
UBE OIL LEVEL				342	100		
OIL ADDED TO ENGINE (gal)				Z09.1		 	-1-
UBE OIL ENG PRESS (psi)		7		60	-		
SEAR BOX OIL PRESSURE (psi)				10		-H	
UBE OIL FILTER				15			
CONVERTER TEMP TC-1 (°F)				737		ת	-
CONVERTER TEMP TC-2 (°F)				7/5	-	0	D
CYLINDER #1 (*F)				1001			0
CYLINDER #2 ("F)				947	_	ω I	w
YLINDER #3 (*F)			-12-2	948	-	N	N
YLINDER #4 ("F)		1		979			-
YLINDER #5 ("F)			- 1	1			-
YLINDER #6 (°F)				1000	-		-
IR PRESSURE (psi)				1005 210	-	1	+
/ATER MAKE-UP TANK LEVEL				Full		\vdash	-
AS METER READING				7011			\rightarrow
INITIAL:	50	ST	4	31	Spi	30	-6
	422	4.23	4-24	4.25	4.76	4/27	4/3



LOCATION: V. Harbor #00082

ENGINE:

Caterpillar G-1

START DATE: 5/20	CO 10	-				26.19	3
ENGINE HOUR: 2686	8	_	ENG	INE HOUR	_ 269	55	_
Within 200 hrs or 1 w	eek of ne "If yes, n	xt require otify Main	d oll & filte tenance L	er change? ead**	☐ Yes	□ No	
B. INSPECTION	MON	TUES	WED	THUR	FRI	SAT	SUN
DISCHARGE PRESSURE (psi)			45	444	430	436	
SUCTION PRESSURE (psi)	-		_	105			Down
ENGINE RPM'S				351	350	104	1
JACKET WATER PRESURE (psi)		1		25		350	+/-
JACKET WATER TEMP (°F)		1-9	10		181	180	1
HEAT EXCHANGER TEMP (°F)		0		178	130		-
INBOARD BEARING TEMP (°F)		-	0	175		130	
OUTBOARD BEARING TEMP (°F)		W	U		112	117	
FRONT AIR/FUEL PRESSURE (psi)		100	-	137	144	140	
REAR AIR/FUEL PRESSURE (psi)	-	10	1	-011	-011	0.011	
LUBE OIL LEVEL	-			18	3/8	.250	
OIL ADDED TO ENGINE (gal)	-			25991	10	3/1	
UBE OIL ENG PRESS (psi)		$\vdash \vdash$		59	_	5	-
GEAR BOX OIL PRESSURE (psi)			 	10	51	59	
UBE OIL FILTER					65	17	-
CONVERTER TEMP TC-1 (°F)			-	740		750	
CONVERTER TEMP TC-2 (°F)		1	-	75	749	722	
CYLINDER #1 (*F)				945	720		
CYLINDER #2 (°F)			-	963	940	942	\vdash
CYLINDER #3 (°F)				957	951	955	
YLINDER #4 (°F)		1	7.7	994	135	93ce	
CYLINDER #5 (°F)					990	997	
YLINDER #6 (°F)				990	145	950	
IR PRESSURE (psi)			,	1007	lass	1010	
VATER MAKE-UP TANK LEVEL				200	200	200	
AS METER READING				Full	Full	FULL	-
INITIAL:		5/	511	त्रा	50	040	-
DATE:		5-21	5-22	5.2)	5.24	£15	5.26



LOCATION: V. Harbor #00082

ENGINE: Caterpillar G-1

START DATE: 6/17	12019		FIN	SH DATE:	6.7	3	******
ENGINE HOUR: 270	96			NE HOUR:			_
Within 200 hrs or 1 w	eek of ne	xt required otify Maint	oil & filter	change?	□ Yes	□ No	-
B. INSPECTION	MON	TUES	WED	THUR	FRI	SAT	SUN
DISCHARGE PRESSURE (psi)	432	432.7	476	4-1/4-1	1		434
SUCTION PRESSURE (psi)	103	102.4	103			-	
ENGINE RPM'S	349	350	351	-		_	104
JACKET WATER PRESURE (psi)	75	25	75				350
JACKET WATER TEMP (*F)	165	177.8	175			7	25
HEAT EXCHANGER TEMP (*F)	125	140	130		=10		138
INBOARD BEARING TEMP (*F)	15	180 4	120		-		
OUTBOARD BEARING TEMP ("F)	140	146.4	145				120.
FRONT AIR/FUEL PRESSURE (psi)	.004	-000	.604		-		144.8
REAR AIR/FUEL PRESSURE (psi)	.640	650	. 650				.004
LUBE OIL LEVEL	1/2	1/2	1/2		-1		.630
OIL ADDED TO ENGINE (gal)	Ø	2	0		D	GU.	1/2
UBE OIL ENG PRESS (psi)	5-9	59	54			=-	10
GEAR BOX OIL PRESSURE (psi)	8	7	9		0	-	59
UBE OIL FILTER	65	65	15	-	w		9
CONVERTER TEMP TC-1 (°F)	723	725	722		_ N_		65
CONVERTER TEMP TC-2 (°F)	716	718	714				725
CYLINDER #1 ("F)	440	492	950		1	-	714
CYLINDER #2 (°F)	952	420	960			10	948
CYLINDER #3 (°F)	140	434	540	-			956
CYLINDER #4 (°F)	985	486			-		938
CYLINDER #5 (°F)	low	1004	989		-		988
YLINDER #6 ("F)			1002		-		1001
IR PRESSURE (psi)	200	10 3	/007		1		1009
VATER MAKE-UP TANK LEVEL		205	215	-	-		209
AS METER READING	Full	Full	FUI		-	100	Full
INITIAL:	50	CH	-		-11		
DATE:	h/A	6115	6/19		CH		de



LOCATION: V. Harbor #00082 ENGINE:

Caterpillar G-1

A. ENGINE TIMER		N. C. C. C. C.	R BE CO	K. T. P. W.	ALVAN		
START DATE: 12/4	/17		FIN	NISH DATE	12/	15/19	
ENGINE HOUR: 28312			FNG	INE HOUR	202	-	Ä
Within 200 hrs or 1 w		– xt reauire	d oil & filte	er change?		¬ No	-
	If yes, n	otify Main	tenance L	.ead	L 103	LI NO	
B. INSPECTION	MON	TUES	WED	THUR	FRI	SAT	SUN
DISCHARGE PRESSURE (psi)			453		448	DOWN	
SUCTION PRESSURE (psi)	/		100.7	—	93	. 1000	Dawl
ENGINE RPM'S			361		360	+/-	/
JACKET WATER PRESURE (psi)			75		25		\vdash
JACKET WATER TEMP (°F)			170		178		\vdash
HEAT EXCHANGER TEMP (°F)			140		-		$\overline{}$
INBOARD BEARING TEMP (°F)	1		106		135	+	
OUTBOARD BEARING TEMP (°F)			141		107		
FRONT AIR/FUEL PRESSURE (psi)	D	9	005)	0	144		
REAR AIR/FUEL PRESSURE (psi)			.401	- · ·			-+
LUBE OIL LEVEL	0	_	3/6		1218 3/8		
OIL ADDED TO ENGINE (gal)		0	20chil	0	6		
LUBE OIL ENG PRESS (psi)			bo		60		
GEAR BOX OIL PRESSURE (psi)	W	W	15				
LUBE OIL FILTER		w	65	W	12		-
CONVERTER TEMP TC-1 (°F)			765		65 775		
CONVERTER TEMP TC-2 (°F)	N	N	747	W			-\-
CYLINDER #1 (°F)			980	V	747		
CYLINDER #2 (°F)			975		960		
CYLINDER #3 (°F)			992	1	964		
CYLINDER #4 (°F)			989		940		
CYLINDER #5 (°F)		\neg	1001		486		
CYLINDER #6 (°F)			1009		No5		1
AIR PRESSURE (psi)					1010		
VATER MAKE-UP TANK LEVEL		-	ZIO Full		710		
GAS METER READING			-		Full	1	
INITIAL:	50	Fol	51	al	7	00	70
DATE:		12/10	-3.7	12/12	12/13	12/14	12/11
	1			114	1417	12/17	12/15



LOCATION: V. Harbor #00082 ENGINE: Caterpillar G-1

						☐ Enterp	orise G-3
A. ENGINE TIMER			12-10			10 m 1	
START DATE: 10/28	3/19		FIN	NISH DATE:	K	11/3/	19
ENGINE HOUR: 798	n'		ENG	INE HOUR:	12	8015	-
Within 200 hrs or 1 w	veek of n∈	_ ∍xt required	d oil & filter	er change?	☐ Yes	□ No	
1	**If yes, n	notify Maint	itenance Le	ead**			
B. INSPECTION	MON	TUES	WED	THUR	FRI	SAT	SUN
DISCHARGE PRESSURE (psi)	352	377.8	369			387.5	7
SUCTION PRESSURE (psi)	110	109.3				111.4	
ENGINE RPM'S	950	939	880				-
JACKET WATER PRESURE (psi)						868	
JACKET WATER TEMP (°F)	90	12080	90			70	-
HEAT EXCHANGER TEMP (°F)	140	72	140	 () 		70	
INBOARD BEARING TEMP (°F)	170		130			75	
OUTBOARD BEARING TEMP (°F)				10		-	1
FRONT AIR/FUEL PRESSURE (psi)	574	574	575			+	
REAR AIR/FUEL PRESSURE (psi)	573	574	574	IN		574	D
LUBE OIL LEVEL	Full	Full	3 /7			585	0
OIL ADDED TO ENGINE (gal)	65	D'	6	N		FULL	w
LUBE OIL ENG PRESS (psi)	65	-	65	- V		0	N
GEAR BOX OIL PRESSURE (psi)			03			80	
LUBE OIL FILTER				- , -			
CONVERTER TEMP TC-1 (°F)	761	292	733	\rightarrow			
CONVERTER TEMP TC-2 (°F)	711	467	682	\rightarrow		330	
CYLINDER #1 (°F)	11.	70/	100L	\rightarrow		50%	
CYLINDER #2 (°F)				\rightarrow			_
CYLINDER #3 (°F)				-			
CYLINDER #4 (°F)			-	++			
CYLINDER #5 (°F)				-+-		\vdash	
CYLINDER #6 (°F)					-		
AIR PRESSURE (psi)		\vdash					
WATER MAKE-UP TANK LEVEL	Fuil	FUII	V 11			_	
GAS METER READING	-	7011	Full			TULL	1
INITIAL:	50	CH	m	4		148989	
DATE:	10/18		10/40			CS	CS
and the second s	1001	10/1/91	ו על וש	10/31		11.7	11 7

P:\Crimson Pipeline Employee Forms\EH&S Forms

March 2017



LOCATION: V. Harbor #00082 ENGINE:

Caterpillar G-1

A. ENGINE TIMER	Marie Artis					Enterp	orise G-3
	1.0	of the said	ALCOHOLD !				
START DATE: 10/19		_	FIN	IISH DATE	10	120/19	L
ENGINE HOUR: 2507			ENGI	INE HOUR:	: 2814	11.	<u>=</u>
Within 200 hrs or 1 w	veek of ne	ext require	d oil & filter	er change?	? Yes	□ No	=
	""If yes, n	notify Maint	tenance Le	ead**			
B. INSPECTION	MON	TUES	WED	THUR	FRI	SAT	SUN
DISCHARGE PRESSURE (psi)	468		463		1	DOWN.	Tax
SUCTION PRESSURE (psi)	104		105			tun,	wer
ENGINE RPM'S	361		359		++-	1	
JACKET WATER PRESURE (psi)	75		25		 - - - - - - - - - 	+	-
JACKET WATER TEMP (°F)	190		184		\vdash	++-	1
HEAT EXCHANGER TEMP (°F)	195		140		\vdash	+-	-
INBOARD BEARING TEMP (°F)	121		117				
OUTBOARD BEARING TEMP (°F)	148	-	147			+++	
FRONT AIR/FUEL PRESSURE (psi)	.030	+	.031				1
REAR AIR/FUEL PRESSURE (psi)	-350	1	1607	0	$\vdash\vdash$		
LUBE OIL LEVEL	3/8	0	3/8			+-+	-
OIL ADDED TO ENGINE (gal)	0	4)	2091	6	-	+ +	
LUBE OIL ENG PRESS (psi)	59	1	59	W	D_	+	-
GEAR BOX OIL PRESSURE (psi)	20	1 1/1	8	.4	0		
LUBE OIL FILTER	65	+	65		w		
CONVERTER TEMP TC-1 (°F)	715		708	$\overline{}$	n		
CONVERTER TEMP TC-2 (°F)	730		728				-1
CYLINDER #1 (°F)	952	 	950				
CYLINDER #2 (°F)	964			-			-
CYLINDER #3 (°F)	957		944				
CYLINDER #4 (°F)	903		962	+			
CYLINDER #5 (°F)	10%		976	++	-		
CYLINDER #6 (°F)			1017		+		
AIR PRESSURE (psi)	1004 17/10		1005	-	-	\longrightarrow	
WATER MAKE-UP TANK LEVEL	710 Full		215	\rightarrow			
GAS METER READING	-		Full	-+-			
MITIAL	R	<1	-/			1-0	2.0
SATE	10/14	Jolis 1	10/16	5/	CH	RP	FF
		11/11/5	11/11/11/2	1 1 1	445 (19	110	Dx



LOCATION: V. Harbor #00082

ENGINE:

Caterpillar G-1

A. ENGINE TIMER	Reservation of the last of the			TOWN DOWN			prise G-5
START DATE: 9/23	119	STATE OF STA	CIA	UCU DATE	- 2	/- 4 / 1 A	
		-		NISH DATE			_
ENGINE HOUR: 27874		_	ENG	INE HOUF	2799	58	_
Within 200 hrs or 1 w	eek of ne **If yes, r	ext required notify Main	d oil & filte tenance L	er change ead**	? □ Yes	□ No	
B. INSPECTION	MON	TUES	WED	THUR	FRI	SAT	SUN
DISCHARGE PRESSURE (psi)		465		454			T COM
SUCTION PRESSURE (psi)		106		107		++	++-
ENGINE RPM'S		353		354	7.1		++-
JACKET WATER PRESURE (psi)		25			356		+
JACKET WATER TEMP (°F)		185		25	26	+	
HEAT EXCHANGER TEMP (°F)		7		183	185		
INBOARD BEARING TEMP (°F)		140		150	150		
OUTBOARD BEARING TEMP (°F)	1	151	17-	124	124		\vdash
FRONT AIR/FUEL PRESSURE (psi)	12			155	154	<u> </u>	
REAR AIR/FUEL PRESSURE (psi)	0	.630	0	1035	1030	1-1-	
UBE OIL LEVEL		345		1050	1345		
OIL ADDED TO ENGINE (gal)	W	318	W	3/8	3/8		
UBE OIL ENG PRESS (psi)		30941	1. (9	35991		
GEAR BOX OIL PRESSURE (psi)	W	60	N	60	59		
UBE OIL FILTER		65		25	25		
CONVERTER TEMP TC-1 (°F)				65	65	0	D
CONVERTER TEMP TC-2 (°F)		73/	_	697	688	0	0
CYLINDER #1 (°F)			_	723	720	4	W
YLINDER #2 (°F)	-	955	\rightarrow	950	955	n	n
CYLINDER #3 (°F)		968	1	962	965		
YLINDER #4 (°F)		952		910	958		
YLINDER #5 (°F)		973		975	932		
YLINDER #6 (°F)		1016		1018	10/2		
IR PRESSURE (psi)	_	1006	- $ -$	1005	1009		
/ATER MAKE-UP TANK LEVEL	_	210		7/0	2/0		
AS METER READING		Full	1	Full	Full		
	37	-0		60	-/		- 1
INITIAL:	610	50	SP ST	M	8	CH	CH
DATE	9/23	9/24	9/25	7./26	9/27	9/28	9/29



A ENGINEERING						E KEnte	rprise G-3
A. ENGINE TIMER				10/2 (A)			CONTRACTOR OF THE PARTY OF THE
START DATE: 8/	5/19	_	FIN	IISH DATI	E 8/11/19		
ENGINE HOUR: 274					2: 275/6		_
Within 200 hrs or 1 w	eek of ne	ext required	oil & filte	r change	? □ Yes	П №	-
	If yes, r	otify Maint	tenance L	ead			
B. INSPECTION	MON	TUES	WED	THUR	FRI	SAT	SUN
DISCHARGE PRESSURE (psi)		457	V	1	445.2		ı
SUCTION PRESSURE (psi)		104			106.3		
ENGINE RPM'S		355			351	\vdash	+
JACKET WATER PRESURE (psi)		15			75	\vdash	+
JACKET WATER TEMP (°F)		187					++-
HEAT EXCHANGER TEMP (°F)		140			181.7	$\vdash\vdash$	+
INBOARD BEARING TEMP (°F)		121					++-
OUTBOARD BEARING TEMP (°F)	0	149			1/8.9		
FRONT AIR/FUEL PRESSURE (psi)		-627			144.6		
REAR AIR/FUEL PRESSURE (psi)	0	-699			.049		
LUBE OIL LEVEL	w	3/2					+-
OIL ADDED TO ENGINE (gal)		Zugyl			1/8		
LUBE OIL ENG PRESS (psi)	N	59	D	D	35gal		
GEAR BOX OIL PRESSURE (psi)		8	0	0	6		
LUBE OIL FILTER		63				D	-
CONVERTER TEMP TC-1 (°F)		711	N N		64		 IJ
CONVERTER TEMP TC-2 (°F)		728			710	<u></u>	0
CYLINDER #1 (°F)		958			717	h	W
CYLINDER #2 (°F)		969					n
CYLINDER #3 (°F)		959			963		
CYLINDER #4 (°F)		944			947.		
CYLINDER #5 (°F)		1005		_	980		
CYLINDER #6 (°F)	1	1017			1004		
IR PRESSURE (psi)	* _	200			1008		
VATER MAKE-UP TANK LEVEL		[vil			7U4 Full		
AS METER READING		FULL			-		
INITIAL:		TO	cH	clt	CH	All	471
DATE:		8/6	817			CH	cH
		O/W	DII	818	819	8/10	8111



LOCATION: V. Harbor #00082 ENGINE:

Caterpillar G-1

A. ENGINE TIMER	TURO NO	SHOW NO	200			p. C. Moi	prise G-5	
START DATE: 7./5- / 9		 -	FINISH DATE: 7.21-19					
ENGINE HOUR: 27293			ENGINE HOUR: 27868					
Within 200 hrs or 1 w	ext required	t required oil & filter change? ☐ Yes ☐ No						
If yes, notify Maintenance Lead								
B. INSPECTION	MON	TUES	WED	THUR	FRI	SAT	SUN	
DISCHARGE PRESSURE (psi)			1	425	425			
SUCTION PRESSURE (psi)				109	105.3			
ENGINE RPM'S				337	354	1)	1	
JACKET WATER PRESURE (psi)				25	75	-V	1)	
JACKET WATER TEMP (°F)	-			138	180	7)	()	
HEAT EXCHANGER TEMP (°F)				120	140	-0		
INBOARD BEARING TEMP (°F)				90	121.1	W/	W	
OUTBOARD BEARING TEMP (°F)	0	Q		86	148.1	VV	V.	
FRONT AIR/FUEL PRESSURE (psi)	V	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		.126	.176	1		
REAR AIR/FUEL PRESSURE (psi)	t)			.755	.755	1		
LUBE OIL LEVEL		0		1/2	1/2			
OIL ADDED TO ENGINE (gal)	W						- \-	
LUBE OIL ENG PRESS (psi)		W		ZOGN	59		- 17	
GEAR BOX OIL PRESSURE (psi)	N	6.1	Ď	59	7			
LUBE OIL FILTER	, -	N	0	65	65			
CONVERTER TEMP TC-1 (°F)			W	000	685	_		
CONVERTER TEMP TC-2 (°F)			N	623	710		-	
CYLINDER #1 (°F)	195		- 14	432	947			
CYLINDER #2 (°F)				942	-		-	
CYLINDER #3 (°F)				922	453			
CYLINDER #4 (°F)				970	946		-1	
CYLINDER #5 (°F)			- -		968			
CYLINDER #6 (°F)			\neg	573 Gut	1012		-	
AIR PRESSURE (psi)				993	1010			
WATER MAKE-UP TANK LEVEL				210	715			
GAS METER READING				Full	Ful			
INITIAL:	51	5/	50	SP	CIŁ			
DATE:	7.15	7-16	7/17		CIT			
	1 7	(/h	411	7/18	7/19			



ENGINE SERVICE REPORT

LOCATION: □Torrey #00385

∕Sventura Harbor #00082

INE INFORMATION		
ENGINE: G-1 Enterprise GSG-6	TYPE: Na	tural Gas
☐ G-2 Enterprise GSG-6	ENGINE HOURS:	2411
G-3 Enterprise GSG-6 T	YPE OF SERVICE:	REDNIN
☐ G-1 Caterpillar G-379		KEPHIK
TENANCE/SERVICE PERFORMED		
CHANGE HOND BASKETS	Num Bon 1 &	3 Cuciviones
NEW SPACE PLUES		
CAMBED OIL		
Ain Fieren		
- CARNERO BOTH FRONT	# BACK D.	Contra o C
		2012
CTED BY:	DAT	F.
Toe Oliver		-



ENGINE SERVICE REPORT

LOCATION: ☐ Torrey #00385

Ventura Harbor #00082

A. ENGINE INFORMATION	THE RESERVE OF THE PROPERTY OF
ENGINE: G-1 Enterprise GSG-6 G-2 Enterprise GSG-6 G-3 Enterprise GSG-6 G-1 Caterpillar G-379	TYPE: Natural Gas ENGINE HOURS: 28325 TYPE OF SERVICE: REPLACE
B. MAINTENANCE/SERVICE PERFORMED	
Air STARTER VALUE	
INSPECTED BY: Jor Oliver	DATE: 12/18/19



ENGINE SERVICE REPORT

LOCATION: ☐ Torrey #00385

Ventura Harbor #00082

A. ENGINE INFORMATION	
ENGINE: 🗆 G-1 Enterprise GSG	-6 TYPE: Natural Gas
☐ G-2 Enterprise GSG	
	20146
G-3 Enterprise GSG	10// 1/1 - K - E - E - E - E - E - E - E - E - E
☐ G-1 Caterpillar G-37	
B. MAINTENANCE/SERVICE PERFORM	ED CONTROL OF THE PARTY OF THE
CHANGE EXHAUST	Maniford GASKETS AND
On SENISORS	MANIFOLD, GASKETS AND
2	
INSPECTED BY:	DATE:
Ja Oliver	DATE:
- Ja Chory	