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November 13, 2019

Ed Swede
Compliance Division
Ventura County Air Pollution Control District
669 County Square Drive
Ventura, CA 93003

Via Certified Mail
Tracking No. 7016 0750 0000 7521 7400

**Subject: 2019 Title V Annual Compliance Certification
Torrey Station Permit No. 00385**

Dear Mr. Swede:

Enclosed is the Title V Annual Compliance Certification Report for Crimson California Pipeline, L.P.'s Torrey Station Permit Number 00385. The reporting period covered by this compliance certification is October 1st, 2018 through September 30th, 2019.

If any questions arise feel free to contact Crimson Environmental at (562) 285-4040.

Respectfully,

A handwritten signature in blue ink, appearing to read 'Valerie Muller'.

Valerie Muller
Environmental Specialist

Enclosure: Torrey Station #00385 Title V Annual Compliance Certification 10/1/2018 – 9/30/2019

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



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: 11/13/19
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Time Period Covered by Compliance Certification 10 / 01 / 18 (MM/DD/YY) to 09 / 30 / 19 (MM/DD/YY)

Permit Attachment Form



ANNUAL COMPLIANCE CERTIFICATION PERMIT ATTACHMENT FORM

Period Covered by Compliance Certification: 10 / 01 / 18 (MM/DD/YY) to 09 / 30 / 19 (MM/DD/YY)

<p>A. Attachment # or Permit Condition #: Att. No. 71.2.N.3, Rules 71.2.B.4, 71.2.C.1, 71.2.D</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 5/22/2019.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</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 were conducted 11/27/2018, 3/13/2019, 6/27/2019, and 9/11/2019. The integrity of the cover has been verified.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</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 as follows: - Q4 2018 on 12/20/18 for both G-1 and G-2 engines. - Q1 2019 on 3/18/19 for G-1 only; G-2 operated <32 hours in each month of Q1. - Q2 2019 on 4/11/19 (biennial source test) for G-1; G-2 was <32 hours each month. - Q3 2019 on 9/5/19 (biennial source test) for G-2. The G-1 engine broke down shortly before the scheduled date, which was reported to the air district. The engine was repaired on 10/18/19 and restarted on 10/22/19, which is when Q4 monitoring was performed. The Q4 results are reported on the Source Test Summary Form.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>



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<p>A. Attachment # or Permit Condition #: 40 CFR 63ZZZZN7</p>	<p>D. Frequency of monitoring: Intermittent</p>
<p>B. Description: RICE MACT for non-emergency spark-ignited engines > 500 HP in remote area - oil change and inspection.</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable N/A</p>
<p>C. Method of monitoring: Maintenance records, hours of operation.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</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. P00385PC1, Cond. No. 1, Rule 29</p>	<p>D. Frequency of monitoring: Monthly</p>
<p>B. Description: Monthly records of throughput at tanks and facility fuel 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: Weekly log sheets compiled by operations, reviewed monthly to verify 10,500,000 BBL annual limit on 80,000 BBLs tank, and combined fuel use limit of 86.6 MMCF/yr for two Enterprise Natural Gas-Fired Rich Burn engines.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</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. P00385PC1, Cond. No. 2, Rule 29</p>	<p>D. Frequency of monitoring: Quarterly</p>
<p>B. Description: Combustion equipment shall burn only 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: Verification of equipment set-up at quarterly testing; verification of fuel use log. PUC natural gas is the only fuel source physically available for the operation of these engines.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>



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<p>A. Attachment # or Permit Condition #: Attachment No. PO0385PC1, Cond. No. 3, Rule 29</p>	<p>D. Frequency of monitoring: Monthly</p>
<p>B. Description: Records of solvent use for cleaning activities shall be maintained.</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 monthly record keeping and review of non-exempt solvent use for wipe cleaning. No solvent use during reporting period.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</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. 50, Rule 50</p>	<p>D. Frequency of monitoring: Weekly</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 weekly at the facility. A sample of the formal survey logs is attached.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</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: N/A</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>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>



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<p>A. Attachment # or Permit Condition #: Attachment No. 54.B.2, Rule 54.B.2</p>	<p>D. Frequency of monitoring: N/A</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>C</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. 55, Rule 55</p>	<p>D. Frequency of monitoring: Intermittent</p>
<p>B. Description: Fugitive Dust.</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: All applicable sources of dust at this stationary source are operating in compliance with Rule 55.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</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. 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 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> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>



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<p>A. Attachment # or Permit Condition #: Attachment No. 64.B.1, Rules 64.B.1, 54</p>	<p>D. Frequency of monitoring: N/A</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 ins combusted at this facility. No periodic monitoring is required.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</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. 74.6, Rule 74.6</p>	<p>D. Frequency of monitoring: N/A</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: Facility monthly record keeping and review of non-exempt (non-acetone) solvent use for wipe cleaning of tank hatch seals. The solvent use during the reporting period was zero gallons.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</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. 74.10, 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 all components for fugitive emissions were conducted and reported on 11/27/2018, 3/13/2019, 6/27/2019, and 9/11/2019. Annual inspection of pressure relief valves. Daily inspections conducted and logged. Operator Management Plan will be updated by January 30th of each year, if necessary.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>



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<p>A. Attachment # or Permit Condition #: Attachment No. 74.11.1, Rule 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> G. Compliance Status? (C or I): <u>C</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. 74.22, Rule 74.22</p>	<p>D. Frequency of monitoring: Annual</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 confirms that facility does not have equipment subject to this regulation.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</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. 74.1, Rule 74.1</p>	<p>D. Frequency of monitoring: N/A</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>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>



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<p>A. Attachment # or Permit Condition #: Attachment No. 74.2, Rule 74.2</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. No architectural coatings were used at the facility during the reporting period.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</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. 74.4.D, Rule 74.4.D</p>	<p>D. Frequency of monitoring: N/A</p>
<p>B. Description: Use of cutback asphalts - road oils.</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 facility and compliance certifications. No use of asphalt products occurred for this period.</p>	<p>F. Currently in Compliance? (Y or N): <u>Y</u> G. Compliance Status? (C or I): <u>C</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: N/A</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>C</u> H. *Excursions, exceedances, or other non-compliance? (Y or N): <u>N</u> *If yes, attach Deviation Summary Form</p>



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<p>A. Attachment # or Permit Condition #: Attachment No. 74.29N3, Rule 74.29</p>	<p>D. Frequency of monitoring: N/A</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> G. Compliance Status? (C or I): <u>C</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 #: 40 CFR 61.M</p>	<p>D. Frequency of monitoring: N/A</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: No asbestos removal, renovation, or demolition 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>C</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 #:</p>	<p>D. Frequency of monitoring:</p>
<p>B. Description:</p>	<p>E. Source test reference method, if applicable. Attach Source Test Summary Form, if applicable</p>
<p>C. Method of monitoring:</p>	<p>F. Currently in Compliance? (Y or N): _____ G. Compliance Status? (C or I): _____ H. *Excursions, exceedances, or other non-compliance? (Y or N): _____ *If yes, attach Deviation Summary Form</p>

Source Test Summary Form



Ventura County
Air Pollution
Control District

ANNUAL COMPLIANCE CERTIFICATION SOURCE TEST SUMMARY FORM

Period Covered by Compliance Certification: 10 / 01 / 18 (MM/DD/YY) to 09 / 30 / 19 (MM/DD/YY)

A. Emission Unit Description: G-1 Enterprise (S/N 55003)			B. Pollutant: CO
C. Measured Emission Rate: 3,859 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: 12/20/2018

A. Emission Unit Description: G-1 Enterprise (S/N 55003)			B. Pollutant: NOx
C. Measured Emission Rate: 9.5 ppmv @ 15% O2	D. Limited Emission Rate: 25 ppmv @ 15% O2	E. Specific Source Test or Monitoring Record Citation: AirX Services	F. Test Date: 12/20/2018

A. Emission Unit Description: G-2 Enterprise (S/N 55004)			B. Pollutant: CO
C. Measured Emission Rate: 3,887 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: 12/20/2018

A. Emission Unit Description: G-2 Enterprise (S/N 55004)			B. Pollutant: NOx
C. Measured Emission Rate: 6.9 ppmv @ 15% O2	D. Limited Emission Rate: 25 ppmv @ 15% O2	E. Specific Source Test or Monitoring Record Citation: AirX Services	F. Test Date: 12/20/2018

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:



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ANNUAL COMPLIANCE CERTIFICATION SOURCE TEST SUMMARY FORM

Period Covered by Compliance Certification: 10 / 01 / 18 (MM/DD/YY) to 09 / 30 / 19 (MM/DD/YY)

A. Emission Unit Description: G-1 Enterprise (S/N 55003)			B. Pollutant: CO
C. Measured Emission Rate: 3,934 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: 3/18/2019

A. Emission Unit Description: G-1 Enterprise (S/N 55003)			B. Pollutant: NOx
C. Measured Emission Rate: 4.4 ppmv @ 15% O2	D. Limited Emission Rate: 25 ppmv @ 15% O2	E. Specific Source Test or Monitoring Record Citation: AirX Services	F. Test Date: 3/18/2019

A. Emission Unit Description: G-2 Enterprise (S/N 55004)			B. Pollutant: CO
C. Measured Emission Rate: Exempt from testing as per Rule 74.9.B.5.b	D. Limited Emission Rate: 4,500 ppmv @ 15% O2	E. Specific Source Test or Monitoring Record Citation: AirX Services	F. Test Date: Q1 Exemption Letter Submitted

A. Emission Unit Description: G-2 Enterprise (S/N 55004)			B. Pollutant: NOx
C. Measured Emission Rate: Exempt from testing as per Rule 74.9.B.5.b	D. Limited Emission Rate: 25 ppmv @ 15% O2	E. Specific Source Test or Monitoring Record Citation: AirX Services	F. Test Date: Q1 Exemption Letter Submitted

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:



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Period Covered by Compliance Certification: 10 / 01 / 18 (MM/DD/YY) to 09 / 30 / 19 (MM/DD/YY)

A. Emission Unit Description: G-1 Enterprise (S/N 55003)			B. Pollutant: CO
C. Measured Emission Rate: 11.1 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: 4/11/2019 (Biennial Source Test)

A. Emission Unit Description: G-1 Enterprise (S/N 55003)			B. Pollutant: NOx
C. Measured Emission Rate: 3,714 ppmv @ 15% O2	D. Limited Emission Rate: 25 ppmv @ 15% O2	E. Specific Source Test or Monitoring Record Citation: AirX Services	F. Test Date: 4/11/2019 (Biennial Source Test)

A. Emission Unit Description: G-1 Enterprise (S/N 55003)			B. Pollutant: ROC
C. Measured Emission Rate: 3.8 ppmv @ 15% O2	D. Limited Emission Rate: N/A	E. Specific Source Test or Monitoring Record Citation: AirX Services	F. Test Date: 4/11/2019 (Biennial Source Test)

A. Emission Unit Description: G-2 Enterprise (S/N 55004)			B. Pollutant: CO
C. Measured Emission Rate: Exempt from testing as per Rule 74.9.B.5.b	D. Limited Emission Rate: 4,500 ppmv @ 15% O2	E. Specific Source Test or Monitoring Record Citation: AirX Services	F. Test Date: Q2 Exemption Letter Submitted

A. Emission Unit Description: G-2 Enterprise (S/N 55004)			B. Pollutant: NOx
C. Measured Emission Rate: Exempt from testing as per Rule 74.9.B.5.b	D. Limited Emission Rate: 25 ppmv @ 15% O2	E. Specific Source Test or Monitoring Record Citation: AirX Services	F. Test Date: Q2 Exemption Letter Submitted



ANNUAL COMPLIANCE CERTIFICATION SOURCE TEST SUMMARY FORM

Period Covered by Compliance Certification: 10 / 01 / 18 (MM/DD/YY) to 09 / 30 / 19 (MM/DD/YY)

A. Emission Unit Description: G-1 Enterprise (S/N 55003)			B. Pollutant: CO
C. Measured Emission Rate: 3,047 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: 10/22/2019 (no Q3 testing due to engine breakdown)

A. Emission Unit Description: G-1 Enterprise (S/N 55003)			B. Pollutant: NOx
C. Measured Emission Rate: 19.5 ppmv @ 15% O2	D. Limited Emission Rate: 25 ppmv @ 15% O2	E. Specific Source Test or Monitoring Record Citation: AirX Services	F. Test Date: 10/22/2019 (no Q3 testing due to engine breakdown)

A. Emission Unit Description: G-2 Enterprise (S/N 55004)			B. Pollutant: CO
C. Measured Emission Rate: 3,414 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: 9/5/2019 (Biennial Source Test)

A. Emission Unit Description: G-2 Enterprise (S/N 55004)			B. Pollutant: NOx
C. Measured Emission Rate: 14.9 ppmv @ 15% O2	D. Limited Emission Rate: 25 ppmv @ 15% O2	E. Specific Source Test or Monitoring Record Citation: AirX Services	F. Test Date: 9/5/2019 (Biennial Source Test)

A. Emission Unit Description: G-2 Enterprise (S/N 55004)			B. Pollutant: ROC
C. Measured Emission Rate: 25.3 ppmv @ 15% O2	D. Limited Emission Rate: N/A	E. Specific Source Test or Monitoring Record Citation: AirX Services	F. Test Date: 9/5/2019 (Biennial Source Test)

Attachment 74.9N3

**Quarterly Emissions Screenings /
Biennial Source Test**

SUMMARY OF SOURCE TEST RESULTS
Quarterly Emission Testing
Crimson Pipeline
Torrey Pump Station
G-1

12/20/2018

		<i>Allowable</i>
Oxides of Nitrogen (NOx)		
ppmv	33.7	-
ppmv @ 15% O2	9.5	25
Carbon Monoxide (CO)		
ppmv	13687	-
ppmv @ 15% O2	3859	4500
Oxygen (O2),	percent	
	0.0	-
Opacity, %	0.0	< 10%

Note: Reported values represent a 15 minute average.

SUMMARY OF SOURCE TEST RESULTS
Quarterly Emission Testing
Crimson Pipeline
Torrey Pump Station
G-2

12/20/2018

		<i>Allowable</i>
Oxides of Nitrogen (NOx)		
ppmv	24.4	-
ppmv @ 15% O2	6.9	25
Carbon Monoxide (CO)		
ppmv	13788	-
ppmv @ 15% O2	3887	4500
Oxygen (O2), percent	0.0	-
Opacity, %	0.0	10%

Note: Reported values represent a 15 minute average.

SUMMARY OF SOURCE TEST RESULTS
Quarterly Emission Testing
Crimson Pipeline
Torrey Pump Station
G-1

3/18/2019

		<i>Allowable</i>
Oxides of Nitrogen (NOx)		
ppmv	15.5	-
ppmv @ 15% O2	4.4	25
Carbon Monoxide (CO)		
ppmv	13910	-
ppmv @ 15% O2	3934	4500
Oxygen (O2),	percent	
	0.0	-

Note: Reported values represent a 15 minute average.



May 30, 2019

Ed Swede
Air Quality Engineer
Ventura County Air Pollution Control District
669 County Square Drive
Ventura, CA 93003

**SUBJECT: 2019 First Quarter Emissions Testing Exemption
520 HP Enterprise NG Rich Burn Engine (S/N 55004)
Torrey Station (Facility ID: 00385)**

Dear Mr. Swede:

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

- 520 HP Enterprise NG Rich Burn Engine, Torrey Station #00385

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 first quarter of 2019 are as follows:

MONTH	HOURS
January	0
February	0
March	0

The remaining equipment was tested on March 18th, 2019:

- 520 HP Enterprise NG Rich Burn Engine (S/N 55003), Torrey Station #00385

The above mentioned quarterly emission testing report was submitted by Crimson's contractor, AirX Testing Services, Inc. Should you have any questions, feel free to contact Crimson Environmental at (562) 285-4040.

Respectfully,

A handwritten signature in blue ink, appearing to read "Valerie Muller".

Valerie Muller
Environmental Specialist



SUMMARY OF SOURCE TEST RESULTS
Crimson Pipeline
Torrey Station
ICE G-1
Test Date: 4/11/2019

<i>CONSTITUENTS</i>	<i>MEASURED VALUES</i>			<i>AVERAGE ALLOWABLE</i>	
	Run #1	Run #2	Run #3		
Oxides of Nitrogen					
ppmv	44.1	38.5	34.5	39.0	-
ppmv @ 15% O2	12.6	11.0	9.8	11.1	25
lb/hr	0.12	0.10	0.090	0.10	-
lb/MMBtu	0.046	0.040	0.036	0.041	-
gm/BHP-hr	0.13	0.11	0.10	0.11	-
Carbon Monoxide					
ppmv	12440	12903	13672	13005	-
ppmv @ 15% O2	3553	3686	3902	3714	4500
lb/hr	19.94	20.56	21.80	20.77	-
lb/MMBtu	7.96	8.26	8.74	8.32	-
gm/BHP-hr	22.08	22.76	24.14	22.99	-
Total Non-Methane/Ethane Hydrocarbons, as CH4					
ppmv, dry	-	-	-	13.3	-
ppmv @ 15% O2, dry	-	-	-	3.8	-
lb/hr	0.0055	0.016	0.015	0.011	-
Oxygen, %	0.2	0.2	0.2	0.2	-
Stack Flowrate, dscfm	368	366	366	367	-
Moisture, %	17.8	17.8	17.8	17.8	-
Fuel Usage, cfm	39.76	39.51	39.58	39.62	-

SUMMARY OF SOURCE TEST RESULTS
Quarterly Emission Testing
Crimson Pipeline
Torrey Pump Station
G-1

10/22/2019

			<i>Allowable</i>
Oxides of Nitrogen (NOx)			
	ppmv	69.1	-
	ppmv @ 15% O2	19.5	25
Carbon Monoxide (CO)			
	ppmv	10794	-
	ppmv @ 15% O2	3047	4500
Oxygen (O2),	percent	0.00	-
Opacity, %		0.0	< 10%

DRAFT

Note: Reported values represent a 15 minute average.

SUMMARY OF SOURCE TEST RESULTS
Crimson Pipeline
Torrey Station
Enterprise Engine G-2 (S/N 55004)

Test Date: 9/5/2019

<i>CONSTITUENTS</i>	<i>MEASURED VALUES</i>			<i>AVERAGE ALLOWABLE</i>	
	Run #1	Run #2	Run #3		
Oxides of Nitrogen					
ppmv	47.3	59.5	48.7	51.8	-
ppmv @ 15% O2	13.6	17.1	14.0	14.9	25
lb/hr	0.12	0.16	0.13	0.14	-
lb/MMBtu	0.049	0.062	0.051	0.054	-
gm/BHP-hr	0.150	0.188	0.154	0.164	-
Carbon Monoxide					
ppmv	11876	11127	12603	11869	-
ppmv @ 15% O2	3412	3200	3629	3414	4500
lb/hr	18.89	17.72	20.09	18.90	-
lb/MMBtu	7.50	7.03	7.97	7.50	-
gm/BHP-hr	22.87	21.45	24.32	22.88	-
Total Non-Methane/Ethane Hydrocarbons, as CH4					
ppmv, dry	-	-	-	88.1	-
ppmv @ 15% O2, dry	-	-	-	25.3	-
lb/hr	-	-	-	0.080	-
Oxygen, %	0.4	0.4	0.4	0.4	-
Stack Flowrate, dscfm	365	365	366	365	-
Moisture, %	18.0	18.0	17.9	18.0	-
Fuel Usage, cfm	40.0	40.0	40.0	40.0	-

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. 80702 Permit No. 00385 Inspection Date 5/22/2019 Time 6:40am
 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 Torrey Canyon Road City Piru Zip _____
 Mailing Address 210 North 12th Street City Santa Paula Zip 93060
 Contact Person Matt Smalley Title Project Manager
 Phone 714-743-8037

B. INSPECTION CONDUCTED BY:

Name Matt Story Title Inspector
 Company Name Beacon Energy Services, Inc. Phone 562-997-3087
 Mailing Address 2675 Junipero ave. Suite 600 City Signal Hill Zip 90755

C. TANK INFORMATION:

Capacity 80,000bbls Installation Date 1934 Diameter 110' Ht. 48'
 Product Type Crude Product RVP _____
 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 70 Degrees F Product Level 8' - 6"
 3) List type and location of leaks found in tank shell. None

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 found in seal fabric
 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. 80702 Permit No. 00387

G. FROM GAUGER PLATFORM:

1) Observe the entire floating roof:

Is the roof badly warped or buckled? No Yes NA
 Is there any obvious damage? No Yes NA

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 drainage 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: Single 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" 1' - 1" > 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

NA 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*

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

Tank No. 80702 Permit No. 00387

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>1</u> (feet)	<u>1</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>17.27</u>	60% Circ. = Diameter X 1.88 =	<u>206.8</u>
10% Circumference = Diameter X 0.314 =	<u>34.54</u>	90% Circ. = Diameter X 2.83 =	<u>311.3</u>
30% Circumference = Diameter X 0.942 =	<u>103.62</u>	95% Circ = Diameter X 2.98 =	<u>327.8</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. 80702 Permit No. 00387

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.

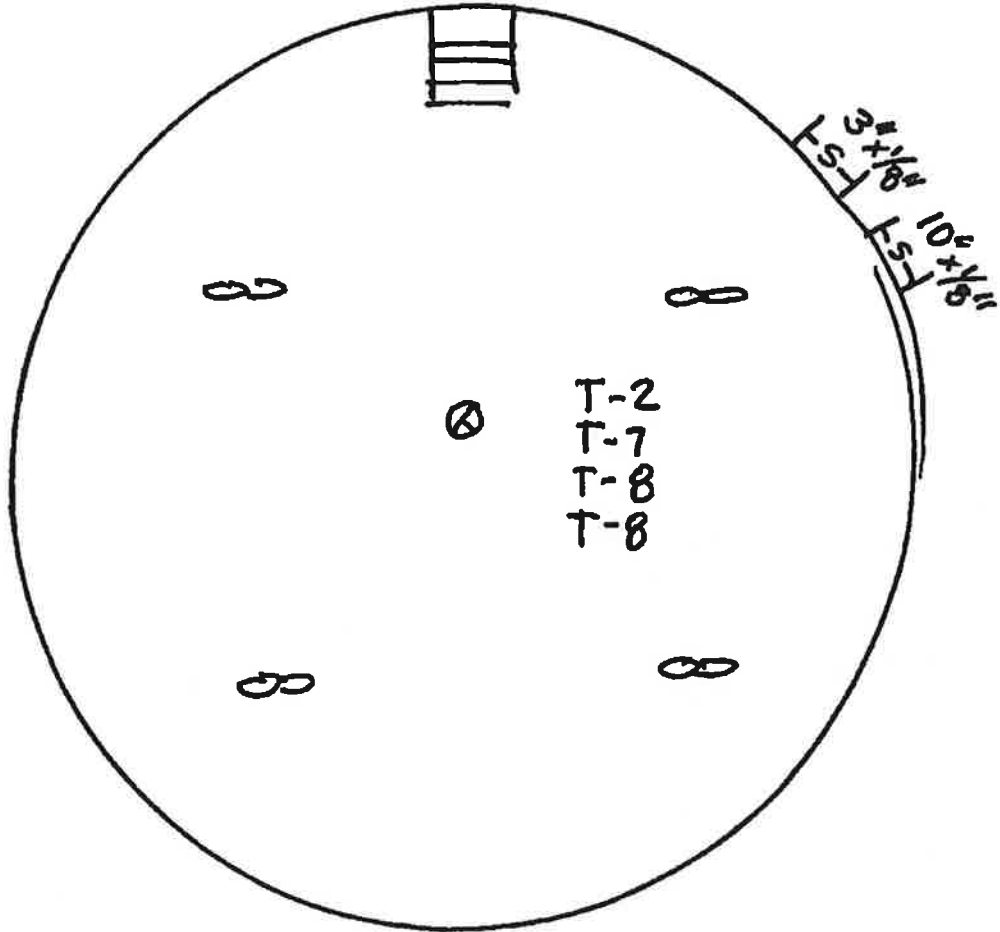
TANK IS IN COMPLIANCE AT THIS TIME

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

Inspection completed by	Matt Story <i>MAT STORY</i>	Cert ID	MS003	Date	5/22/2019
<i>signature</i>					
Compliance status by	Robert Hoppenrath <i>[Signature]</i>	Cert ID	RH003	Date	5/22/2019
<i>signature</i>					
Company Representative	Matt Smalley <i>MS</i>	Cert ID		Date	5/30/19
<i>signature</i>					

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



Ventura County APCD
Rule 74.10 Component Leak Report

Q4/2018

Company Crimson Pipeline, LLC
Facility Torrey Pump Station
Torrey Canyon Road, 0.5 Miles South of Guiberson Road, Piru, CA

District ID 00385
Contact EH&S Department

Component Group	Accessible	Inaccessible	Leaks	Percentage
Stuffing Box	0	0	0	0
Threaded Component	0	0	0	0
Valve	3	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	2	0	0	0

No Reportable Leaks for this Quarter
Inspected on 11/27/2018



Ventura County APCD
Rule 74.10 Component Leak Report

Q1/2019

Company Crimson Pipeline, LLC
Facility Torrey Pump Station
Torrey Canyon Road, 0.5 Miles South of Guiberson Road, Piru, CA

District ID 00385
Contact EH&S Department

Component Group	Accessible	Inaccessible	Leaks	Percentage
Stuffing Box	0	0	0	0
Threaded Component	0	0	0	0
Valve	3	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	2	0	0	0

No Reportable Leaks for this Quarter
Inspected on 03/13/2019



Ventura County APCD
Rule 74.10 Component Leak Report

Q2/2019

Company Crimson Pipeline, LLC
Facility Torrey Pump Station
Torrey Canyon Road, 0.5 Miles South of Guiberson Road, Piru, CA

District ID 00385
Contact EH&S Department

Component Group	Accessible	Inaccessible	Leaks	Percentage
Stuffing Box	0	0	0	0
Threaded Component	0	0	0	0
Valve	3	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	2	0	0	0

**No Reportable Leaks for this Quarter
Inspected on 06/27/2019**



Ventura County APCD
Rule 74.10 Component Leak Report

Q3/2019

Company Crimson Pipeline, LLC

District ID 00385

Facility Torrey Pump Station

Contact EH&S Department

Torrey Canyon Road, 0.5 Miles South of Guiberson Road, Piru, CA 93040

Component Group	Accessible	Inaccessible	Leaks	Percentage
Stuffing Box	0	0	0	0
Threaded Component	0	0	0	0
Valve	3	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	2	0	0	0

**No Reportable Leaks for this Quarter
Inspected on 09/11/2019**

Attachment P00386PC1

Monthly Throughput and Facility Fuel Consumption



TORREY STATION FUEL USE & SEALS IN OPERATION 2018

MONTH	FUEL (CUBIC FEET) G1	YEAR %	FUEL (CUBIC FEET) G2	YEAR %	FUEL USE (CUBIC FEET) TOTAL	BBL'S. TANK THROUGHPUT	HOURS G1	YEAR %	HOURS G2	YEAR %	HOURS TOTAL	SOLVENT (GALLONS)	**PAINT (GALLONS)	HOURS TOTAL	SEALS IN OP YEAR %	BBL'S. TANK THROUGHPUT	1000 GAL THROUGHPUT YEAR %	1000 GAL THROUGHPUT YEAR
JAN	1,187,700	9.62%	0	0.00%	1,187,700	285,640	418	8.27%	0	0.00%	418	0	0	418	8.27%	285,640	7.78%	11,996.9
FEB	963,706	7.72%	5,694	0.35%	959,400	243,850	335	6.63%	2	0.04%	337	0	0	337	6.67%	243,850	6.64%	10,241.1
MAR	1,241,100	10.05%	0	0.00%	1,241,100	322,652	431	8.53%	0	0.00%	431	0	0	431	8.53%	322,652	8.79%	13,551.1
APR	0	0.00%	1,166,600	72.12%	1,166,600	308,905	0	0.00%	421	8.33%	421	0	0	421	8.33%	308,905	8.41%	12,974.0
MAY	1,137,615	9.21%	55,085	3.41%	1,192,700	359,842	475	9.40%	23	0.46%	498	0	0	498	9.86%	359,842	9.80%	15,113.4
JUN	1,244,700	10.08%	0	0.00%	1,244,700	325,431	445	8.81%	0	0.00%	445	0	0	445	8.81%	325,431	8.86%	13,668.1
JUL	1,202,900	9.74%	0	0.00%	1,202,900	326,667	444	8.79%	0	0.00%	444	0	0	444	8.79%	326,667	8.90%	13,720.0
AUG	1,262,200	10.22%	0	0.00%	1,262,200	344,000	469	9.28%	0	0.00%	469	0	0	469	9.28%	344,000	9.37%	14,448.0
SEP	1,156,000	9.36%	0	0.00%	1,156,000	303,261	417	8.25%	0	0.00%	417	0	0	417	8.25%	303,261	8.26%	12,737.0
OCT	1,283,700	10.39%	0	0.00%	1,283,700	327,985	462	9.14%	0	0.00%	462	0	0	462	9.14%	327,985	8.93%	13,775.4
NOV	1,122,400	9.09%	0	0.00%	1,122,400	289,398	386	7.64%	0	0.00%	386	0	0	386	7.64%	289,398	7.86%	12,154.7
DEC	560,502	4.54%	390,298	24.13%	950,800	234,823	191	3.78%	133	2.63%	324	0	0	324	6.41%	234,823	6.39%	9,862.6
TOTAL	12,352,524	100.00%	1,617,676	100.00%	13,970,200	3,672,454	4473	88.54%	579	11.46%	5052	0	0	5052	100.00%	3,672,454	100.00%	154,243.1



TORREY STATION FUEL USE & SEALS IN OPERATION 2019

MONTH	FUEL (CUBIC FEET) G1	YEAR %	FUEL (CUBIC FEET) G2	YEAR %	FUEL USE TOTAL (CUBIC FEET)	BBLs. TANK THROUGHPUT	HOURS G1	YEAR %	HOURS G2	YEAR %	HOURS TOTAL	SOLVENT (GALLONS)	**PAINT (GALLONS)	HOURS TOTAL	SEALS IN OP YEAR %	BBLs. TANK THROUGHPUT	1000 GAL THROUGHPUT YEAR %	1000 GAL THROUGHPUT YEAR
JAN	1,250,700	#DIV/0!	0	#DIV/0!	1,250,700	303,740	402	11.90%	0	0.00%	402	0	0	402	11.90%	303,740	11.98%	12,757.1
FEB	936,800	#DIV/0!	0	#DIV/0!	936,800	226,058	313	9.26%	0	0.00%	313	0	0	313	9.26%	226,058	8.92%	9,494.4
MAR	1,149,500	#DIV/0!	0	#DIV/0!	1,149,500	286,207	381	11.28%	0	0.00%	381	0	0	381	11.28%	286,207	11.29%	12,020.7
APR	1,061,119	#DIV/0!	9,281	#DIV/0!	1,070,400	256,701	343	10.15%	3	0.09%	346	0	0	346	10.24%	256,701	10.13%	10,77
MAY	1,189,700	#DIV/0!	0	#DIV/0!	1,189,700	309,562	407	12.04%	0	0.00%	407	0	0	407	12.04%	309,562	12.21%	13,06
JUN	977,500	#DIV/0!	0	#DIV/0!	977,500	240,476	334	9.88%	0	0.00%	334	0	0	334	9.88%	240,476	9.49%	10,100.0
JUL	1,207,700	#DIV/0!	0	#DIV/0!	1,207,700	320,799	419	12.40%	0	0.00%	419	0	0	419	12.40%	320,799	12.66%	13,473.6
AUG	1,150,700	#DIV/0!	0	#DIV/0!	1,150,700	307,848	399	11.81%	0	0.00%	399	0	0	399	11.81%	307,848	12.15%	12,929.6
SEP	508,296	#DIV/0!	513,704	#DIV/0!	1,022,000	283,049	188	5.56%	190	5.62%	378	0	0	378	11.19%	283,049	11.17%	11,888.1
OCT	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0	0	0	0.00%	0	0.00%	0	0	0	0	0.00%	0	0.00%	0.0
NOV	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0	0	0	0.00%	0	0.00%	0	0	0	0	0.00%	0	0.00%	0.0
DEC	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0	0	0	0.00%	0	0.00%	0	0	0	0	0.00%	0	0.00%	0.0
TOTAL	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	9,955,000	2,534,440	3186	94.29%	193	5.71%	3379	0	0	3379	100.00%	2,534,440	100.00%	106,446.5

Attachment Number 50

**Opacity Observation/
Fugitive Emission Inspection Logs**



**WEEKLY FUGITIVE EMISSION
INSPECTION LOG**

LOCATION: Torrey #00385

A. COMPONENT DESCRIPTION							
If any component is leaking, minimize leak, notify Supervisor							
DAY	MON	TUES	WED	THUR	FRI	SAT	SUN
COMPONENT	LEAKING (Y/N)						
G-1 PUMP SEAL	N ₀	N	N	N	N	N	N
G-2 PUMP SEAL	N ₀	N	N	N	N	N	N
STATION VALVES	N ₀	N	N	N	N	N	N
TANK VALVES	N ₀	N	N	N	N	N	N
SUMP	N ₀	N	N	N	N	N	N
INITIAL:	CH	JO	CH	JA	JO	JO	JO
DATE:	10/1/18	10/2	10/3	10/4	10/5	10/6	10/7
B. OPACITY CHECK							
ENGINE	VISUAL EMISSIONS		DATE	TIME	INITIAL		
Enterprise G-1	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N	10/2/18	1800	JO		
Enterprise G-2	<input type="checkbox"/> Y	<input type="checkbox"/> N					
C. COMMENTS							



**WEEKLY FUGITIVE EMISSION
INSPECTION LOG**

LOCATION: Torrey #00385

A. COMPONENT DESCRIPTION							
If any component is leaking, minimize leak, notify Supervisor							
DAY	MON	TUES	WED	THUR	FRI	SAT	SUN
COMPONENT	LEAKING (Y/N)						
G-1 PUMP SEAL	N	N	N	N	N	N	N
G-2 PUMP SEAL	N	N	N	N	N	N	N
STATION VALVES	N	N	N	N	N	N	N
TANK VALVES	N	N	N	N	N	N	N
SUMP	N	N	N	N	N	N	N
INITIAL:	Jo	Jo	CH	CS	CS	RP	RP
11/22/18 DATE:	11/12	11/13	11/14	11/15	11/16	11/17	11/18
B. OPACITY CHECK							
ENGINE	VISUAL EMISSIONS		DATE	TIME	INITIAL		
Enterprise G-1	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N	11/13/18	0800	Jo		
Enterprise G-2	<input type="checkbox"/> Y	<input type="checkbox"/> N					
C. COMMENTS							



**WEEKLY FUGITIVE EMISSION
INSPECTION LOG**

LOCATION: Torrey #00385

A. COMPONENT DESCRIPTION							
If any component is leaking, minimize leak, notify Supervisor							
DAY	MON	TUES	WED	THUR	FRI	SAT	SUN
COMPONENT	LEAKING (Y/N)						
G-1 PUMP SEAL	N	N	N	N	N	N	N
G-2 PUMP SEAL	N	N	N	N	N	N	N
STATION VALVES	N	N	N	N	N	N	N
TANK VALVES	N	N	N	N	N	N	N
SUMP	N	N	N	N	N	N	N
STATION VISUAL	N	N	N	N	N	N	N
INITIAL:	JD	JD	JD	JD	JD	CH	CH
5/18/19 DATE:	3/18	3/19	3/20	3/21	3/22	3/23	3/24
B. OPACITY CHECK							
ENGINE	VISUAL EMISSIONS		DATE	TIME	INITIAL		
Enterprise G-1	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N	3/18/19	0800	JD		
Enterprise G-2	<input type="checkbox"/> Y	<input type="checkbox"/> N					
C. COMMENTS							



**WEEKLY FUGITIVE EMISSION
INSPECTION LOG**

LOCATION: Torrey #00385

A. COMPONENT DESCRIPTION							
If any component is leaking, minimize leak, notify Supervisor							
DAY	MON	TUES	WED	THUR	FRI	SAT	SUN
COMPONENT	LEAKING (Y/N)						
G-1 PUMP SEAL	N	N	X	N	N	N	N
G-2 PUMP SEAL	N	N	N	N	N	N	N
STATION VALVES	N	N	N	N	N	N	N
TANK VALVES	X	N	N	N	N	N	N
SUMP	N	N	N	N	N	N	N
STATION VISUAL	N	N	N	N	N	N	N
INITIAL:	JB	JD	JD	JD	JD	CS	CS
DATE:	4/8	4/9	4/10	4/11	4/12	4/13	4/14
B. OPACITY CHECK							
ENGINE	VISUAL EMISSIONS		DATE	TIME	INITIAL		
Enterprise G-1	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N	4/8/19	0800	JD		
Enterprise G-2	<input type="checkbox"/> Y	<input type="checkbox"/> N					
C. COMMENTS							



**WEEKLY FUGITIVE EMISSION
INSPECTION LOG**

LOCATION: Torrey #00385

A. COMPONENT DESCRIPTION							
If any component is leaking, minimize leak, notify Supervisor							
DAY	MON	TUES	WED	THUR	FRI	SAT	SUN
COMPONENT	LEAKING (Y/N)						
G-1 PUMP SEAL	N	N	N	N		N	N
G-2 PUMP SEAL	N	N	N	N		N	N
STATION VALVES	N	N	N	N		N	N
TANK VALVES	N	N	N	N		N	N
SUMP	N	N	N	N		N	N
INITIAL:	JO	JO	JO	JO		JO	JO
DATE: 5/13/19	5/13	5/14	5/15	5/16		5/17	9/20
B. OPACITY CHECK							
ENGINE	VISUAL EMISSIONS		DATE	TIME	INITIAL		
Enterprise G-1	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N	5/15/19	1300	JO		
Enterprise G-2	<input type="checkbox"/> Y	<input type="checkbox"/> N					
C. COMMENTS							



**WEEKLY FUGITIVE EMISSION
INSPECTION LOG**

LOCATION: Torrey #00385

A. COMPONENT DESCRIPTION							
If any component is leaking, minimize leak, notify Supervisor							
DAY	MON	TUES	WED	THUR	FRI	SAT	SUN
COMPONENT	LEAKING (Y/N)						
G-1 PUMP SEAL	N	N	N	N	N	N	N
G-2 PUMP SEAL	N	N	N	N	N	N	N
STATION VALVES	N	N	N	N	N	N	N
TANK VALVES	N	N	N	N	N	N	N
SUMP	N	N	N	N	N	N	N
INITIAL:	JD	JD	JD	JD	JD	JD	JD
DATE:	8/19/19	8/20	8/21	8/22	8/23	8/24	8/25
B. OPACITY CHECK							
ENGINE	VISUAL EMISSIONS		DATE	TIME	INITIAL		
Enterprise G-1	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N	8/21/19	1630	JD		
Enterprise G-2	<input type="checkbox"/> Y	<input type="checkbox"/> N					
C. COMMENTS							

40 CFR 63ZZZZN7

Maintenance Records and Hours of Operations



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-6

ENGINE HOURS: 3377

G-3 Enterprise GSG-6

TYPE OF SERVICE: REPAIR

G-1 Caterpillar G-379

B. MAINTENANCE/SERVICE PERFORMED

CHEM CONV CONVERTOR PHASE A REPLACE GASKETS

INSPECTED BY:

[Signature]

DATE:

9/11/19



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-6

ENGINE HOURS: 18701

G-3 Enterprise GSG-6

TYPE OF SERVICE: Service

G-1 Caterpillar G-379

B. MAINTENANCE/SERVICE PERFORMED

REPLACE AIR FILTERS

INSPECTED BY:

[Signature]

DATE:

11/14/18



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-6

ENGINE HOURS: 29714

G-3 Enterprise GSG-6

TYPE OF SERVICE: Service

G-1 Caterpillar G-379

B. MAINTENANCE/SERVICE PERFORMED

REPLACE AIR FILTERS

INSPECTED BY:

J Oliver

DATE:

11/14/18



ENGINE SERVICE REPORT

LOCATION: Torrey #00385
 Ventura Harbor #00082

A. ENGINE INFORMATION

- 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: 0014 / 12/17/18
TYPE OF SERVICE: REPAIR

B. MAINTENANCE/SERVICE PERFORMED

- REPLACED HEADS AND HEAD BASKETS ON NUMBER 1 & 5 CYLINDERS
- NEW SPARK PLUGS

INSPECTED BY:

DATE:

12/19/18



ENGINE SERVICE REPORT

LOCATION: Torrey #00385
 Ventura Harbor #00082

A. ENGINE INFORMATION

- 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: 0014
TYPE OF SERVICE: 12/17/18 / Repair

B. MAINTENANCE/SERVICE PERFORMED

New O₂ Sensors For A/E Controller

INSPECTED BY:

[Signature]

DATE:

12/17/18



ENGINE SERVICE REPORT

LOCATION: Torrey #00385
 Ventura Harbor #00082

A. ENGINE INFORMATION

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: 597 / 2/4/19
TYPE OF SERVICE: Service

B. MAINTENANCE/SERVICE PERFORMED

CHANGE AIR FILTER

INSPECTED BY:

[Signature]

DATE:

2/4/19



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-6 ENGINE HOURS: 18837
 G-3 Enterprise GSG-6 TYPE OF SERVICE: REPAIR
 G-1 Caterpillar G-379

B. MAINTENANCE/SERVICE PERFORMED

REPLACED HEAD & HEAD GASKET ON #6 & #3 CYLINDERS
~~CRACKED~~ CRACK BETWEEN VALVES

INSPECTED BY:

[Signature]

DATE:

3/23/19



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-6 ENGINE HOURS: 18837
 G-3 Enterprise GSG-6 TYPE OF SERVICE: REPAIR
 G-1 Caterpillar G-379

B. MAINTENANCE/SERVICE PERFORMED

REPLACE HEAD & HEAD GASKET ON #2 CYLINDER
- LOOSE EXHAUST VALVE -

INSPECTED BY: Joe Oliver

DATE: 4-29-18



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-6

ENGINE HOURS: 188.37

G-3 Enterprise GSG-6

TYPE OF SERVICE: REPLACE

G-1 Caterpillar G-379

B. MAINTENANCE/SERVICE PERFORMED

- O₂ Sensors Front & Back
- Air Filter

INSPECTED BY:

DATE:

4/29/19



ENGINE HOUR REPORT

40 CFR 63 SUBPART ZZZZ

LOCATION: Torrey #00385

Inspection Interval: 2,160 hrs / annually

Ventura Harbor #00082

Inspection Interval: 1,440 hrs / annually

Directions: Engine Hour Report must be completed within one year from the last inspection OR at the next required engine hour, whichever comes first. This includes, but is not limited to, oil & filter change and the inspection of spark plugs, hoses, and belts.

A. ENGINE INFORMATION

TYPE: Natural Gas

DATE: 11/12/18

ENGINE: G-1 Enterprise G-SG6

ENGINE HOUR: 29706

G-2 Enterprise G-SG6

NEXT REQUIRED INSPECTION

G-3 Enterprise G-SG6

NEXT ANNUAL INSPECTION: 11/12/19

G-1 Caterpillar G-379

NEXT ENGINE HR INSPECTION: 1864

B. INSPECTION

1. ENGINE OIL

a) Oil: May either be changed or sampled at the time of required inspection.

Changed Sampled - Date Report Received: _____

Oil Change Required: Yes No

Date oil changed: _____

IF SAMPLED:

Pull sample and submit to laboratory.

When analysis report received: record date received and attach analysis report to form

If oil change is required per the analysis report:

- Oil must be changed within 2 days from when analysis report was received.

- If engine is NOT in operation when analysis report was received, oil must be changed within 2 days from when the report was received OR prior to operating the engine, whichever is later.

b) Filter: Good Changed

Comments: _____

HES - Routed over @ 30000

2. SPARK PLUGS

Good Replaced

Comments: _____

3. HOSES AND BELTS

Good Replaced

Comments: _____

INSPECTED BY: _____

[Signature]

DATE: _____

11/12/19



ENGINE HOUR REPORT

40 CFR 63 SUBPART ZZZZ

LOCATION: Torrey #00385
Inspection Interval: 2,160 hrs / annually
 Ventura Harbor #00082
Inspection Interval: 1,440 hrs / annually

Directions: Engine Hour Report must be completed within one year from the last inspection OR at the next required engine hour, **whichever comes first**. This includes, but is not limited to, oil & filter change and the inspection of spark plugs, hoses, and belts.

A. ENGINE INFORMATION

TYPE: Natural Gas
ENGINE: G-1 Enterprise G-SG6
 G-2 Enterprise G-SG6
 G-3 Enterprise G-SG6
 G-1 Caterpillar G-379
DATE: 3/7/19
ENGINE HOUR: 18833
NEXT REQUIRED INSPECTION
NEXT ANNUAL INSPECTION: 3/7/20
NEXT ENGINE HR INSPECTION: 20993

B. INSPECTION

1. ENGINE OIL

a) Oil: May either be changed or sampled at the time of required inspection.

Changed Sampled - Date Report Received: _____

Oil Change Required: Yes No

Date oil changed: _____

IF SAMPLED:

Pull sample and submit to laboratory.

When analysis report received: record date received and attach analysis report to form

If oil change is required per the analysis report:

- Oil must be changed within 2 days from when analysis report was received.
- If engine is NOT in operation when analysis report was received, oil must be changed within 2 days from when the report was received OR prior to operating the engine, whichever is later.

b) Filter: Good Changed

Comments: _____

2. SPARK PLUGS Good Replaced

Comments: _____

3. HOSES AND BELTS Good Replaced

Comments: _____

INSPECTED BY:

Oliver

DATE:

3/7/19



ENGINE HOUR REPORT

40 CFR 63 SUBPART ZZZZ

LOCATION: Torrey #00385

Inspection Interval: 2,160 hrs / annually

Ventura Harbor #00082

Inspection Interval: 1,440 hrs / annually

Directions: Engine Hour Report must be completed within one year from the last inspection OR at the next required engine hour, whichever comes first. This includes, but is not limited to, oil & filter change and the inspection of spark plugs, hoses, and belts.

A. ENGINE INFORMATION

TYPE: Natural Gas

DATE: 5/17/19

ENGINE: G-1 Enterprise G-SG6

ENGINE HOUR: 1850

G-2 Enterprise G-SG6

NEXT REQUIRED INSPECTION

G-3 Enterprise G-SG6

NEXT ANNUAL INSPECTION: 5/17/20

G-1 Caterpillar G-379

NEXT ENGINE HR INSPECTION: 4010

B. INSPECTION

1. ENGINE OIL

a) Oil: May either be changed or sampled at the time of required inspection.

Changed Sampled - Date Report Received: _____

Oil Change Required: Yes No

Date oil changed: _____

IF SAMPLED:

Pull sample and submit to laboratory.

When analysis report received: record date received and attach analysis report to form

If oil change is required per the analysis report:

- Oil must be changed within 2 days from when analysis report was received.

- If engine is NOT in operation when analysis report was received, oil must be changed within 2 days from when the report was received OR prior to operating the engine, whichever is later.

b) Filter: Good Changed

Comments: _____

2. SPARK PLUGS Good Replaced

Comments: _____

3. HOSES AND BELTS Good Replaced

Comments: _____

INSPECTED BY: J Oliver

DATE: 5/17/19



ENGINE DATA SHEET

LOCATION: Torrey #00385

ENGINE: Enterprise G-1
 Enterprise G-2

A. ENGINE TIMER

START DATE: 10/1/18

FINISH DATE: 10/8/18

ENGINE HOUR: 18701

ENGINE HOUR: 18701

Within 200 hrs or 1 week of next required oil & filter change? Yes No

If yes, notify Maintenance Lead

B. INSPECTION	MON	TUES	WED	THUR	FRI	SAT	SUN
DISCHARGE PRESSURE (psi)							
SUCTION PRESSURE (psi)							
FRONT OXY. OUTPUT (mv)							
BACK OXY. OUTPUT (mv)							
WATER MAKE-UP TANK LEVEL							
LUBE OIL LEVEL							
OIL ADDED TO ENGINE (gal)							
AIR PRESSURE (psi)							
CONVERTER TEMP TC-1 (°F)							
CONVERTER TEMP TC-2 (°F)							
FRONT AIR/FUEL PRESSURE (psi)							
REAR AIR/FUEL PRESSURE (psi)							
ENGINE RPM'S							
CYLINDER #1 (°F)							
CYLINDER #2 (°F)							
CYLINDER #3 (°F)	D	D	D	D	D	D	D
CYLINDER #4 (°F)	O	O	O	O	O	O	O
CYLINDER #5 (°F)	W	W	W	W	W	W	W
CYLINDER #6 (°F)	N	N	N	N	N	N	N
ENGINE WATER PRESSURE (psi)							
ENGINE WATER TEMP. (°F)							
ENGINE OIL PRESSURE (psi)							
ENGINE OIL TEMP (°F)							
GEAR BOX OIL PRESSURE (psi)							
INBOARD BEARING TEMP (°F)							
OUTBOARD BEARING TEMP (°F)							
INITIAL:	JO	JO	JO	JO	JO	JO	JO
DATE:	10/1	10/2	10/3	10/4	10/5	10/6	10/7



ENGINE DATA SHEET

LOCATION: Torrey #00385

ENGINE: Enterprise G-1
 Enterprise G-2

A. ENGINE TIMER

START DATE: 10/1/18

FINISH DATE: 10/8/18

ENGINE HOUR: 29152

ENGINE HOUR: 29227

Within 200 hrs or 1 week of next required oil & filter change? Yes No

If yes, notify Maintenance Lead

B. INSPECTION	MON	TUES	WED	THUR	FRI	SAT	SUN
DISCHARGE PRESSURE (psi)		525	524	525			
SUCTION PRESSURE (psi)		14.4	13.9	13.7			
FRONT OXY. OUTPUT (mv)		12.0	12.0	12.0			
BACK OXY. OUTPUT (mv)		12.0	12.0	12.0			
WATER MAKE-UP TANK LEVEL		FULL	FULL	FULL			
LUBE OIL LEVEL		1/2	1/2	1/2			
OIL ADDED TO ENGINE (gal)		-	-	-			
AIR PRESSURE (psi)		190	190	190			
CONVERTER TEMP TC-1 (°F)		808	850	890			
CONVERTER TEMP TC-2 (°F)		771	818	807			
FRONT AIR/FUEL PRESSURE (psi)		+1.0	+1.8	+1.8			
REAR AIR/FUEL PRESSURE (psi)		+0.6	+0.5	+1.0			
ENGINE RPM'S		347	362	361			
CYLINDER #1 (°F)		952	1032	1023			
CYLINDER #2 (°F)	D	972	972	974			
CYLINDER #3 (°F)	O	936	936	940			
CYLINDER #4 (°F)	W	995	1005	1023	D	D	D
CYLINDER #5 (°F)	N	977	1010	1014	O	O	O
CYLINDER #6 (°F)		-	-	-	W	W	W
ENGINE WATER PRESSURE (psi)		10	12	10	W	W	W
ENGINE WATER TEMP. (°F)		150	150	146			
ENGINE OIL PRESSURE (psi)		84	90	95			
ENGINE OIL TEMP (°F)		134	141	150			
GEAR BOX OIL PRESSURE (psi)		21	25	25			
INBOARD BEARING TEMP (°F)		105	145	145			
OUTBOARD BEARING TEMP (°F)		120	155	155			
INITIAL:	CH	JO	CH	JP	JO	SO	JO
DATE:	10/1/18	10/2	10/3	10/4	10/5	10/6	10/7



ENGINE DATA SHEET

LOCATION: Torrey #00385

ENGINE: Enterprise G-1
 Enterprise G-2

A. ENGINE TIMER

START DATE: 11/12/18

FINISH DATE: 11.19.18

ENGINE HOUR: 18701

ENGINE HOUR: 18701

Within 200 hrs or 1 week of next required oil & filter change? Yes No

If yes, notify Maintenance Lead

B. INSPECTION

	MON	TUES	WED	THUR	FRI	SAT	SUN
DISCHARGE PRESSURE (psi)						FRUN	DOWN
SUCTION PRESSURE (psi)							
FRONT OXY. OUTPUT (mv)							
BACK OXY. OUTPUT (mv)							
WATER MAKE-UP TANK LEVEL							
LUBE OIL LEVEL							
OIL ADDED TO ENGINE (gal)							
AIR PRESSURE (psi)							
CONVERTER TEMP TC-1 (°F)							
CONVERTER TEMP TC-2 (°F)							
FRONT AIR/FUEL PRESSURE (psi)							
REAR AIR/FUEL PRESSURE (psi)							
ENGINE RPM'S							
CYLINDER #1 (°F)							
CYLINDER #2 (°F)							
CYLINDER #3 (°F)			D				
CYLINDER #4 (°F)	D	D	O	D	D		
CYLINDER #5 (°F)	O	O	W	O	O		
CYLINDER #6 (°F)	W	W	N	W	W		
ENGINE WATER PRESSURE (psi)	N	N		N	N		
ENGINE WATER TEMP. (°F)							
ENGINE OIL PRESSURE (psi)							
ENGINE OIL TEMP (°F)							
GEAR BOX OIL PRESSURE (psi)							
INBOARD BEARING TEMP (°F)							
OUTBOARD BEARING TEMP (°F)							

INITIAL: JD JD CH CS CS RP RP
 DATE: 11/12 11/13 11/14 11.15 11.16 11.17 11.18



ENGINE DATA SHEET

LOCATION: Torrey #00385

ENGINE: Enterprise G-1

Enterprise G-2

A. ENGINE TIMER

START DATE: 11/12/18

FINISH DATE: 11-19-18

ENGINE HOUR: 29706

ENGINE HOUR: 29827

Within 200 hrs or 1 week of next required oil & filter change? Yes No

If yes, notify Maintenance Lead

B. INSPECTION	MON	TUES	WED	THUR	FRI	SAT	SUN
DISCHARGE PRESSURE (psi)		528	526	525	526	525	DRAIN
SUCTION PRESSURE (psi)		13.5	13.6	13.6	13.5	13.3	
FRONT OXY. OUTPUT (mv)		12.0	12.0	12.0	12.0	12.0	
BACK OXY. OUTPUT (mv)		12.0	12.0	12.0	12.0	12.0	
WATER MAKE-UP TANK LEVEL		Full	Full	Full	Full	Full	
LUBE OIL LEVEL		1/2	3/8	1/2	1/2	1/2	
OIL ADDED TO ENGINE (gal)		-	10	-	-	-	
AIR PRESSURE (psi)		190	191	190	190	190	
CONVERTER TEMP TC-1 (°F)		851	864	849	851	839	
CONVERTER TEMP TC-2 (°F)		806	825	811	812	808	
FRONT AIR/FUEL PRESSURE (psi)		+1.0	+1.0	+1.0	+1.0	+1.0	
REAR AIR/FUEL PRESSURE (psi)		+0.6	+0.5	+0.4	+0.3	+0.3	
ENGINE RPM'S		351	360	360	361	358	
CYLINDER #1 (°F)		1025	1035	976	977	966	
CYLINDER #2 (°F)		961	974	975	972	961	
CYLINDER #3 (°F)		957	936	936	933	921	
CYLINDER #4 (°F)	D	998	1017	1014	1013	1009	
CYLINDER #5 (°F)	O	1000	1013	1017	1012	1004	
CYLINDER #6 (°F)	W	-	-	-	-	-	
ENGINE WATER PRESSURE (psi)	N	10	10	11	11	11	
ENGINE WATER TEMP. (°F)		150	153	152	150	150	
ENGINE OIL PRESSURE (psi)		90	92	92	93	92	
ENGINE OIL TEMP (°F)		136	140	143	143	144	
GEAR BOX OIL PRESSURE (psi)		24	26	26	27	27	
INBOARD BEARING TEMP (°F)		120	130	140	146	140	
OUTBOARD BEARING TEMP (°F)		135	135	138	138	135	
INITIAL:	JU	JU	CH	CS	CS	RP	
DATE:	11/12	11/13	11/14	11-15	11-16	11-17	



ENGINE DATA SHEET

LOCATION: Torrey #00385

ENGINE: Enterprise G-1
 Enterprise G-2

A. ENGINE TIMER

START DATE: ~~12/17/18~~ 12/17/18

FINISH DATE: 12/23/2018

ENGINE HOUR: 14

ENGINE HOUR: 14

Within 200 hrs or 1 week of next required oil & filter change? Yes No

If yes, notify Maintenance Lead

B. INSPECTION	MON	TUES	WED	THUR	FRI	SAT	SUN
DISCHARGE PRESSURE (psi)					528	528	
SUCTION PRESSURE (psi)					13.2	13.4	
FRONT OXY. OUTPUT (mv)					12.0	12.0	
BACK OXY. OUTPUT (mv)					12.0	12.0	
WATER MAKE-UP TANK LEVEL					Full	Full	
LUBE OIL LEVEL					5/8	5/8	
OIL ADDED TO ENGINE (gal)					20 GAL		
AIR PRESSURE (psi)					190	190	
CONVERTER TEMP TC-1 (°F)					910	855	
CONVERTER TEMP TC-2 (°F)					842	808	
FRONT AIR/FUEL PRESSURE (psi)					+1.0	+1.9	D
REAR AIR/FUEL PRESSURE (psi)					+1.8	+1.0	D
ENGINE RPM'S					357	360	W
CYLINDER #1 (°F)					1020	987	N
CYLINDER #2 (°F)					972	970	
CYLINDER #3 (°F)	D	D	D	D	948	935	
CYLINDER #4 (°F)	O	O	O	O	1011	1008	
CYLINDER #5 (°F)	W	W	W	W	1081	1014	
CYLINDER #6 (°F)	N	N	N	W			
ENGINE WATER PRESSURE (psi)					9	10	
ENGINE WATER TEMP. (°F)					150	155	
ENGINE OIL PRESSURE (psi)					88	85	
ENGINE OIL TEMP (°F)					145	150	
GEAR BOX OIL PRESSURE (psi)					27	27	
INBOARD BEARING TEMP (°F)					130	125	
OUTBOARD BEARING TEMP (°F)					140	125	
INITIAL:	JD	JD	JD	JD	JD	CS	CH
DATE:	12/17	12/18	12/19	12/20	12/21	12/22	12/23



ENGINE DATA SHEET

LOCATION: Torrey #00385

ENGINE: Enterprise G-1
 Enterprise G-2

A. ENGINE TIMER

START DATE: 12/17/18

FINISH DATE: 12/23/2018

ENGINE HOUR: 18818

ENGINE HOUR: 18934

Within 200 hrs or 1 week of next required oil & filter change? Yes No

If yes, notify Maintenance Lead

B. INSPECTION	MON	TUES	WED	THUR	FRI	SAT	SUN
DISCHARGE PRESSURE (psi)				526			
SUCTION PRESSURE (psi)				13.8			
FRONT OXY. OUTPUT (mv)				12.0			
BACK OXY. OUTPUT (mv)				14.0			
WATER MAKE-UP TANK LEVEL				Full			
LUBE OIL LEVEL				1/2			
OIL ADDED TO ENGINE (gal)				-			
AIR PRESSURE (psi)				190			
CONVERTER TEMP TC-1 (°F)				915			
CONVERTER TEMP TC-2 (°F)				825			
FRONT AIR/FUEL PRESSURE (psi)				+0.7			
REAR AIR/FUEL PRESSURE (psi)				+1.2			
ENGINE RPM'S				352			D
CYLINDER #1 (°F)	D	O	O	1060	O	D	O
CYLINDER #2 (°F)	O	O	O	979	O	O	L
CYLINDER #3 (°F)	W	W	W	943	W	W	W
CYLINDER #4 (°F)	N	N	N	1010	W	W	
CYLINDER #5 (°F)				965			
CYLINDER #6 (°F)				983			
ENGINE WATER PRESSURE (psi)				10			
ENGINE WATER TEMP. (°F)				150			
ENGINE OIL PRESSURE (psi)				48			
ENGINE OIL TEMP (°F)				150			
GEAR BOX OIL PRESSURE (psi)				25			
INBOARD BEARING TEMP (°F)				130			
OUTBOARD BEARING TEMP (°F)				175			
INITIAL:	JD	JB	JD	JD	JD	CS	CH
DATE:	12/17	12/18	12/19	12/20	12/21	12/22	12/23



ENGINE DATA SHEET

LOCATION: Torrey #00385

ENGINE: Enterprise G-1

Enterprise G-2

A. ENGINE TIMER

START DATE: 1/14/19

FINISH DATE: 1/22/19

ENGINE HOUR: ~~324~~ 324

ENGINE HOUR: 462

Within 200 hrs or 1 week of next required oil & filter change? Yes No

If yes, notify Maintenance Lead

B. INSPECTION	MON	TUES	WED	THUR	FRI	SAT	SUN
DISCHARGE PRESSURE (psi)	525	526	524	528	526	528	
SUCTION PRESSURE (psi)	13.6	13.4	13.4	13.2	13.6	14.7	
FRONT OXY. OUTPUT (mv)	120	120	120	120	120	120	
BACK OXY. OUTPUT (mv)	120	120	120	120	120	120	
WATER MAKE-UP TANK LEVEL	Full	Full	Full	Full	Full	Full	
LUBE OIL LEVEL	1/2	1/2	1/2	1/2	1/2	1/2	
OIL ADDED TO ENGINE (gal)	10 GAL	-	-	-	-	-	
AIR PRESSURE (psi)	190	195	190	190	190	190	
CONVERTER TEMP TC-1 (°F)	880	885	877	870	872	812	
CONVERTER TEMP TC-2 (°F)	823	826	817	815	811	762	
FRONT AIR/FUEL PRESSURE (psi)	+1.0	+1.0	+1.2	+1.2	+1.0	+1.2	
REAR AIR/FUEL PRESSURE (psi)	+0.5	+0.5	+0.8	+0.8	+0.5	+0.8	
ENGINE RPM'S	361	360	361	360	357	347	
CYLINDER #1 (°F)	1005	1004	1006	1007	1002	947	
CYLINDER #2 (°F)	975	978	975	973	971	946	
CYLINDER #3 (°F)	975	982	963	959	957	915	
CYLINDER #4 (°F)	1004	1001	997	995	996	1003	
CYLINDER #5 (°F)	1082	1080	1095	1089	1008	1000	
CYLINDER #6 (°F)	-	-	-	-	-	-	
ENGINE WATER PRESSURE (psi)	10	10	10	10	10	10	
ENGINE WATER TEMP. (°F)	150	150	150	150	150	150	
ENGINE OIL PRESSURE (psi)	77	80	84	80	80	80	D
ENGINE OIL TEMP (°F)	145	142	145	140	140	143	0
GEAR BOX OIL PRESSURE (psi)	25	27	26	26	21	25	1
INBOARD BEARING TEMP (°F)	125	120	120	120	120	125	N
OUTBOARD BEARING TEMP (°F)	135	130	130	130	130	130	1
INITIAL:	JD	JD	JD	JD	JD	CH	CH
DATE:	1/14	1/15	1/16	1/17	1/18	1/19	1/20



ENGINE DATA SHEET

LOCATION: Torrey #00385

ENGINE: Enterprise G-1
 Enterprise G-2

A. ENGINE TIMER

START DATE: 1/14/19

FINISH DATE: 1/21/19

ENGINE HOUR: 18834

ENGINE HOUR: 18834

Within 200 hrs or 1 week of next required oil & filter change? Yes No

If yes, notify Maintenance Lead

B. INSPECTION	MON	TUES	WED	THUR	FRI	SAT	SUN
DISCHARGE PRESSURE (psi)							
SUCTION PRESSURE (psi)							
FRONT OXY. OUTPUT (mv)							
BACK OXY. OUTPUT (mv)							
WATER MAKE-UP TANK LEVEL							
LUBE OIL LEVEL							
OIL ADDED TO ENGINE (gal)							
AIR PRESSURE (psi)							
CONVERTER TEMP TC-1 (°F)							
CONVERTER TEMP TC-2 (°F)							
FRONT AIR/FUEL PRESSURE (psi)							
REAR AIR/FUEL PRESSURE (psi)							
ENGINE RPM'S							
CYLINDER #1 (°F)							
CYLINDER #2 (°F)							
CYLINDER #3 (°F)							
CYLINDER #4 (°F)							
CYLINDER #5 (°F)	D	D	D	D	D	D	D
CYLINDER #6 (°F)	O	O	O	O	O	O	O
ENGINE WATER PRESSURE (psi)	W	W	W	W	W	W	W
ENGINE WATER TEMP. (°F)	N	N	N	N	N	N	N
ENGINE OIL PRESSURE (psi)							
ENGINE OIL TEMP (°F)							
GEAR BOX OIL PRESSURE (psi)							
INBOARD BEARING TEMP (°F)							
OUTBOARD BEARING TEMP (°F)							
INITIAL:	JO	JO	JO	JO	JO	CH	CH
DATE:	1/14	1/15	1/16	1/17	1/18	1/19	1/20



ENGINE DATA SHEET

LOCATION: Torrey #00385

ENGINE: Enterprise G-1

Enterprise G-2

A. ENGINE TIMER

START DATE: 2/4/19

FINISH DATE: 2/11/19

ENGINE HOUR: 18834

ENGINE HOUR: 18834

Within 200 hrs or 1 week of next required oil & filter change? Yes No

If yes, notify Maintenance Lead

B. INSPECTION	MON	TUES	WED	THUR	FRI	SAT	SUN
DISCHARGE PRESSURE (psi)							
SUCTION PRESSURE (psi)							
FRONT OXY. OUTPUT (mv)							
BACK OXY. OUTPUT (mv)							
WATER MAKE-UP TANK LEVEL							
LUBE OIL LEVEL							
OIL ADDED TO ENGINE (gal)							
AIR PRESSURE (psi)							
CONVERTER TEMP TC-1 (°F)							
CONVERTER TEMP TC-2 (°F)							
FRONT AIR/FUEL PRESSURE (psi)							
REAR AIR/FUEL PRESSURE (psi)							
ENGINE RPM'S							
CYLINDER #1 (°F)							
CYLINDER #2 (°F)							
CYLINDER #3 (°F)							
CYLINDER #4 (°F)							
CYLINDER #5 (°F)							
CYLINDER #6 (°F)	D	D	D	D	D	D	D
ENGINE WATER PRESSURE (psi)	0	0	0	0	0	0	0
ENGINE WATER TEMP. (°F)	W	W	W	W	W	W	W
ENGINE OIL PRESSURE (psi)	N	N	N	N	N	N	N
ENGINE OIL TEMP (°F)							
GEAR BOX OIL PRESSURE (psi)							
INBOARD BEARING TEMP (°F)							
OUTBOARD BEARING TEMP (°F)							
INITIAL:	JO	JO	JO	PS	JO	SA	SP
DATE:	2/4	2/5	2/6	2-7	2/8	2/9	2/10



ENGINE DATA SHEET

LOCATION: Torrey #00385

ENGINE: Enterprise G-1

Enterprise G-2

A. ENGINE TIMER

START DATE: 2/4/19

FINISH DATE: 2/10/19

ENGINE HOUR: 597

ENGINE HOUR: 717

Within 200 hrs or 1 week of next required oil & filter change? Yes No

If yes, notify Maintenance Lead

B. INSPECTION	MON	TUES	WED	THUR	FRI	SAT	SUN
DISCHARGE PRESSURE (psi)	531	525	520		528	526	
SUCTION PRESSURE (psi)	14.1	13.4	13.4		14.4	12.3	
FRONT OXY. OUTPUT (mv)	12.0	12.0	12.0		12.0	12.0	
BACK OXY. OUTPUT (mv)	12.0	12.0	12.0		12.0	12.0	
WATER MAKE-UP TANK LEVEL	Full	Full	Full		Full	Full	
LUBE OIL LEVEL	1/2	1/2	1/2		1/2	1/2	
OIL ADDED TO ENGINE (gal)	10 GAL	-	-		10 GAL	0	
AIR PRESSURE (psi)	190	190	190		185	190	
CONVERTER TEMP TC-1 (°F)	785	835	841		782	775	
CONVERTER TEMP TC-2 (°F)	767	792	795		763	758	
FRONT AIR/FUEL PRESSURE (psi)	+1.0	+1.0	+0.8		+1.0	+1.0	
REAR AIR/FUEL PRESSURE (psi)	+1.0	+0.8	+1.0		+0.8	+0.7	
ENGINE RPM'S	347	357	360		347	345	
CYLINDER #1 (°F)	972	992	994	D	970	990	D
CYLINDER #2 (°F)	970	989	991	0	969	972	0
CYLINDER #3 (°F)	936	972	967	W	942	940	W
CYLINDER #4 (°F)	982	1005	1012	N	981	980	W
CYLINDER #5 (°F)	985	1012	1017		985	990	
CYLINDER #6 (°F)	-	-	-		-	-	
ENGINE WATER PRESSURE (psi)	10	10	10		10	10	
ENGINE WATER TEMP. (°F)	140	150	150		145	150	
ENGINE OIL PRESSURE (psi)	84	82	80		82	80	
ENGINE OIL TEMP (°F)	125	150	150		126	150	
GEAR BOX OIL PRESSURE (psi)	21	26	27		22	25	
INBOARD BEARING TEMP (°F)	110	125	125		100	110	
OUTBOARD BEARING TEMP (°F)	115	135	135		110	115	
INITIAL:	JO	JO	JO	CS	JO	SA	ST
DATE:	2/4	2/5	2/4	2-7	2/8	2/9	2/10



ENGINE DATA SHEET

LOCATION: Torrey #00385

ENGINE: Enterprise G-1
 Enterprise G-2

A. ENGINE TIMER							
START DATE:	3/18/19			FINISH DATE:	3/25/19		
ENGINE HOUR:	18834			ENGINE HOUR:	18834		
B. INSPECTION	MON	TUES	WED	THUR	FRI	SAT	SUN
DISCHARGE PRESSURE (psi)							
SUCTION PRESSURE (psi)							
LUBE OIL LEVEL							
OIL ADDED TO ENGINE (gal)							
AIR PRESSURE (psi)							
CONVERTER TEMP TC-1 (°F)							
CONVERTER TEMP TC-2 (°F)							
FRONT AIR/FUEL PRESSURE (psi)							
REAR AIR/FUEL PRESSURE (psi)							
ENGINE RPM'S							
CYLINDER #1 (°F)							
CYLINDER #2 (°F)							
CYLINDER #3 (°F)							
CYLINDER #4 (°F)							
CYLINDER #5 (°F)							
CYLINDER #6 (°F)	D	D	D	D	D	D	D
GEAR BOX OIL PRESSURE (psi)	O	O	O	O	O	O	O
INBOARD BEARING TEMP (°F)	W	W	W	W	W	W	W
OUTBOARD BEARING TEMP (°F)	N	N	N	N	N	N	N
WATER MAKE-UP TANK LEVEL							
FRONT OXY. OUTPUT (mv)							
BACK OXY. OUTPUT (mv)							
ENGINE WATER PRESSURE (psi)							
ENGINE WATER TEMP. (°F)							
ENGINE OIL PRESSURE (psi)							
ENGINE OIL TEMP (°F)							
INITIAL:	JO	JB	JO	JO	JB	CH	CH
DATE:	3/18	3/19	3/20	3/21	3/22	3/23	3/24



ENGINE DATA SHEET

LOCATION: Torrey #00385

ENGINE: Enterprise G-1

Enterprise G-2

A. ENGINE TIMER							
START DATE:	<u>3/18/19</u>			FINISH DATE:	<u>3/25/19</u>		
ENGINE HOUR:	<u>1087</u>			ENGINE HOUR:	<u>1188</u>		
B. INSPECTION	MON	TUES	WED	THUR	FRI	SAT	SUN
DISCHARGE PRESSURE (psi)	534	530		531	528		
SUCTION PRESSURE (psi)	13.7	13.4		13.3	13.4		
LUBE OIL LEVEL	1/2	1/2		1/2	1/2		
OIL ADDED TO ENGINE (gal)	-	10 GAL		-	10 GAL		
AIR PRESSURE (psi)	190	190		190	190		
CONVERTER TEMP TC-1 (°F)	850	859		858	845		
CONVERTER TEMP TC-2 (°F)	789	792		808	800		
FRONT AIR/FUEL PRESSURE (psi)	+1.9	+1.5		+1.4	+1.4		
REAR AIR/FUEL PRESSURE (psi)	+0.8	+0.8		+0.9	+0.9		
ENGINE RPM'S	349	358		360	359		
CYLINDER #1 (°F)	985	998		994	993		
CYLINDER #2 (°F)	981	995		987	986		
CYLINDER #3 (°F)	947	972		954	950		
CYLINDER #4 (°F)	991	1005		1006	1000		
CYLINDER #5 (°F)	994	1012		1012	1009		
CYLINDER #6 (°F)	-	-		-	-		
GEAR BOX OIL PRESSURE (psi)	21	26	D	25	26	D	D
INBOARD BEARING TEMP (°F)	120	125	O	120	120	O	O
OUTBOARD BEARING TEMP (°F)	135	135	W	135	130	W	W
WATER MAKE-UP TANK LEVEL	Full	Full	N	Full	Full	N	N
FRONT OXY. OUTPUT (mv)	12.0	12.0		12.0	12.0		
BACK OXY. OUTPUT (mv)	12.0	12.0		12.0	12.0		
ENGINE WATER PRESSURE (psi)	10	10		10	10		
ENGINE WATER TEMP. (°F)	150	150		150	150		
ENGINE OIL PRESSURE (psi)	85	75		77	79		
ENGINE OIL TEMP (°F)	145	150		150	145		
INITIAL:	J0	J0	J0	J0	J0	CH	CH
DATE:	3/18	3/19	3/20	3/21	3/22	3/23	3/24



ENGINE DATA SHEET

LOCATION: Torrey #00385

ENGINE: Enterprise G-1

Enterprise G-2

A. ENGINE TIMER

START DATE: 4/8/19
ENGINE HOUR: 18834

FINISH DATE: 4/15/19
ENGINE HOUR: 18837

B. INSPECTION	MON	TUES	WED	THUR	FRI	SAT	SUN
DISCHARGE PRESSURE (psi)							
SUCTION PRESSURE (psi)							
LUBE OIL LEVEL							
OIL ADDED TO ENGINE (gal)							
AIR PRESSURE (psi)							
CONVERTER TEMP TC-1 (°F)							
CONVERTER TEMP TC-2 (°F)							
FRONT AIR/FUEL PRESSURE (psi)							
REAR AIR/FUEL PRESSURE (psi)							
ENGINE RPM'S							
CYLINDER #1 (°F)							
CYLINDER #2 (°F)							
CYLINDER #3 (°F)							
CYLINDER #4 (°F)	0	0	0	0	0	0	0
CYLINDER #5 (°F)	0	0	0	0	0	0	0
CYLINDER #6 (°F)	W	W	W	W	W	W	W
GEAR BOX OIL PRESSURE (psi)	N	N	N	N	N	N	N
INBOARD BEARING TEMP (°F)							
OUTBOARD BEARING TEMP (°F)							
WATER MAKE-UP TANK LEVEL							
FRONT OXY. OUTPUT (mv)							
BACK OXY. OUTPUT (mv)							
ENGINE WATER PRESSURE (psi)							
ENGINE WATER TEMP. (°F)							
ENGINE OIL PRESSURE (psi)							
ENGINE OIL TEMP (°F)							

INITIAL: JD JD JD JD JD CS CS
DATE: 4/8 4/9 4/10 4/11 4/12 4.13 4.14

↑
18837 Hrs



ENGINE DATA SHEET

LOCATION: Torrey #00385

ENGINE: Enterprise G-1

Enterprise G-2

A. ENGINE TIMER

START DATE: 4/8/19

FINISH DATE: 4/15/19

ENGINE HOUR: 1333

ENGINE HOUR: 1415

Within 200 hrs or 1 week of next required oil & filter change? Yes No

If yes, notify Maintenance Lead

B. INSPECTION	MON	TUES	WED	THUR	FRI	SAT	SUN
DISCHARGE PRESSURE (psi)	528		525	530	527	530	
SUCTION PRESSURE (psi)	13.4		13.8	13.4	13.8	13.2	
FRONT OXY. OUTPUT (mv)	120		120	120	120	120	
BACK OXY. OUTPUT (mv)	120		120	120	120	120	
WATER MAKE-UP TANK LEVEL	Full		Full	Full	Full	Full	
LUBE OIL LEVEL	1/2		1/2	1/2	1/2	1/2	
OIL ADDED TO ENGINE (gal)	-		10 GAL	-	-	-	
AIR PRESSURE (psi)	190		190	190	190	190	
CONVERTER TEMP TC-1 (°F)	889		905	900	883	859	
CONVERTER TEMP TC-2 (°F)	835		840	832	810	821	
FRONT AIR/FUEL PRESSURE (psi)	-20		-20	+20	+16	+22	
REAR AIR/FUEL PRESSURE (psi)	-1.5		-1.8	+1.5	+1.5	+2.1	
ENGINE RPM'S	348		345	369	358	361	D
CYLINDER #1 (°F)	987		992	994	995	1001	0
CYLINDER #2 (°F)	992	D	994	997	995	984	W
CYLINDER #3 (°F)	962	0	965	967	963	942	N
CYLINDER #4 (°F)	1002	W	1001	1009	1007	1012	
CYLINDER #5 (°F)	1012	N	1011	1014	1012	1028	
CYLINDER #6 (°F)	-		-	-	-	-	
ENGINE WATER PRESSURE (psi)	10		10	10	10	10	
ENGINE WATER TEMP. (°F)	150		150	150	150	159	
ENGINE OIL PRESSURE (psi)	74		75	78	78	95	
ENGINE OIL TEMP (°F)	150		145	145	145	150	
GEAR BOX OIL PRESSURE (psi)	26		27	25	25	24	
INBOARD BEARING TEMP (°F)	125		125	130	125	140	
OUTBOARD BEARING TEMP (°F)	140		145	145	140	135	
INITIAL:	JD	JD	JD	JD	JD	CS	CS
DATE:	4/8	4/9	4/10	4/11	4/12	4-13	4-14



ENGINE DATA SHEET

LOCATION: Torrey #00385

ENGINE: Enterprise G-1

Enterprise G-2

A. ENGINE TIMER							
START DATE:	<u>5/13/19</u>			FINISH DATE: <u>5/20/19</u>			
ENGINE HOUR:	<u>1780</u>			ENGINE HOUR: <u>1879</u>			
Within 200 hrs or 1 week of next required oil & filter change? <input type="checkbox"/> Yes <input type="checkbox"/> No							
If yes, notify Maintenance Lead							
B. INSPECTION	MON	TUES	WED	THUR	FRI	SAT	SUN
DISCHARGE PRESSURE (psi)			525	521	538		538
SUCTION PRESSURE (psi)			13.8	13.4	14.2		14.2
FRONT OXY. OUTPUT (mv)			120	120	120		12.0
BACK OXY. OUTPUT (mv)			120	120	120		12.0
WATER MAKE-UP TANK LEVEL			Full	Full	Full		Full
LUBE OIL LEVEL			1/2	1/2	1/2		1/2
OIL ADDED TO ENGINE (gal)			-	106AC	-		-
AIR PRESSURE (psi)			190	190	190		190
CONVERTER TEMP TC-1 (°F)			875	821			815
CONVERTER TEMP TC-2 (°F)			842	801			795
FRONT AIR/FUEL PRESSURE (psi)			+1.8	+1.6			+1.5
REAR AIR/FUEL PRESSURE (psi)			+1.5	+1.2			+1.0
ENGINE RPM'S			351	349			347
CYLINDER #1 (°F)			982	994			980
CYLINDER #2 (°F)	D	D	970	978			975
CYLINDER #3 (°F)	O	O	945	953		D	947
CYLINDER #4 (°F)	W	W	995	1002		O	998
CYLINDER #5 (°F)	W	W	1002	1015		W	1001
CYLINDER #6 (°F)			-	-		W	-
ENGINE WATER PRESSURE (psi)			10	10			10
ENGINE WATER TEMP. (°F)			150	150			150
ENGINE OIL PRESSURE (psi)			85	84			84
ENGINE OIL TEMP (°F)			135	150			150
GEAR BOX OIL PRESSURE (psi)			24	24			27
INBOARD BEARING TEMP (°F)			120	125			120
OUTBOARD BEARING TEMP (°F)			130	135			135
INITIAL:	JO	JO	JO	JO		JO	JO
DATE:	5/13	5/14	5/15	5/16		5/18	5/19



ENGINE DATA SHEET

LOCATION: Torrey #00385

ENGINE: Enterprise G-1
 Enterprise G-2

A. ENGINE TIMER							
START DATE:	5/13/14			FINISH DATE:	5/20/2014		
ENGINE HOUR:	18837			ENGINE HOUR:	18837		
Within 200 hrs or 1 week of next required oil & filter change? <input type="checkbox"/> Yes <input type="checkbox"/> No **If yes, notify Maintenance Lead**							
B. INSPECTION	MON	TUES	WED	THUR	FRI	SAT	SUN
DISCHARGE PRESSURE (psi)							
SUCTION PRESSURE (psi)							
FRONT OXY. OUTPUT (mv)							
BACK OXY. OUTPUT (mv)							
WATER MAKE-UP TANK LEVEL							
LUBE OIL LEVEL							
OIL ADDED TO ENGINE (gal)							
AIR PRESSURE (psi)							
CONVERTER TEMP TC-1 (°F)							
CONVERTER TEMP TC-2 (°F)							
FRONT AIR/FUEL PRESSURE (psi)							
REAR AIR/FUEL PRESSURE (psi)							
ENGINE RPM'S							
CYLINDER #1 (°F)							
CYLINDER #2 (°F)							
CYLINDER #3 (°F)	D	D	D	D			
CYLINDER #4 (°F)	O	O	O	O			
CYLINDER #5 (°F)	W	W	W	W		D	D
CYLINDER #6 (°F)	N	N	N	N		O	O
ENGINE WATER PRESSURE (psi)						W	W
ENGINE WATER TEMP. (°F)						N	N
ENGINE OIL PRESSURE (psi)							
ENGINE OIL TEMP (°F)							
GEAR BOX OIL PRESSURE (psi)							
INBOARD BEARING TEMP (°F)							
OUTBOARD BEARING TEMP (°F)							
INITIAL:	JO	JO	JO	JO		JO	JO
DATE:	5/13	5/14	5/15	5/16		5/18	5/19



ENGINE DATA SHEET

LOCATION: Torrey #00385

ENGINE: Enterprise G-1
 Enterprise G-2

A. ENGINE TIMER

START DATE: 6/3/19

FINISH DATE: 6/10/19

ENGINE HOUR: 2044

ENGINE HOUR: 2122

Within 200 hrs or 1 week of next required oil & filter change? Yes No

If yes, notify Maintenance Lead

B. INSPECTION	MON	TUES	WED	THUR	FRI	SAT	SUN
DISCHARGE PRESSURE (psi)	535	527	529				
SUCTION PRESSURE (psi)	13.5	13.9	13.4				
FRONT OXY. OUTPUT (mv)	12.0	12.0	12.0				
BACK OXY. OUTPUT (mv)	12.0	12.0	12.0				
WATER MAKE-UP TANK LEVEL	Full	Full	Full				
LUBE OIL LEVEL	1/2	1/2	1/2				
OIL ADDED TO ENGINE (gal)	-	10 GAK	-				
AIR PRESSURE (psi)	190	190	190				
CONVERTER TEMP TC-1 (°F)	852	864	872				
CONVERTER TEMP TC-2 (°F)	805	812	821				
FRONT AIR/FUEL PRESSURE (psi)	+1.5	+1.8	+1.6				
REAR AIR/FUEL PRESSURE (psi)	+1.8	+1.5	+1.8				
ENGINE RPM'S	361	362	360				
CYLINDER #1 (°F)	1000	1009	1011				
CYLINDER #2 (°F)	976	986	997	D	D	D	D
CYLINDER #3 (°F)	952	959	963	O	O	O	O
CYLINDER #4 (°F)	1011	1018	1021	W	W	W	W
CYLINDER #5 (°F)	1021	1029	1033	N	N	N	N
CYLINDER #6 (°F)	-	-	-				
ENGINE WATER PRESSURE (psi)	10	10	10				
ENGINE WATER TEMP. (°F)	150	150	150				
ENGINE OIL PRESSURE (psi)	86	87	86				
ENGINE OIL TEMP (°F)	145	150	150				
GEAR BOX OIL PRESSURE (psi)	26	27	26				
INBOARD BEARING TEMP (°F)	120	125	125				
OUTBOARD BEARING TEMP (°F)	135	135	140				
INITIAL:	JD	JD	JD	JD	JD	JD	JD
DATE:	6/3	6/4	6/5	6/6	6/7	6/8	6/9



ENGINE DATA SHEET

LOCATION: Torrey #00385

ENGINE: Enterprise G-1

Enterprise G-2

A. ENGINE TIMER

START DATE: 6/3/19

FINISH DATE: 6/10/19

ENGINE HOUR: 18837

ENGINE HOUR: 18837

Within 200 hrs or 1 week of next required oil & filter change? Yes No

If yes, notify Maintenance Lead

B. INSPECTION

	MON	TUES	WED	THUR	FRI	SAT	SUN
DISCHARGE PRESSURE (psi)							
SUCTION PRESSURE (psi)							
FRONT OXY. OUTPUT (mv)							
BACK OXY. OUTPUT (mv)							
WATER MAKE-UP TANK LEVEL							
LUBE OIL LEVEL							
OIL ADDED TO ENGINE (gal)							
AIR PRESSURE (psi)							
CONVERTER TEMP TC-1 (°F)							
CONVERTER TEMP TC-2 (°F)							
FRONT AIR/FUEL PRESSURE (psi)							
REAR AIR/FUEL PRESSURE (psi)							
ENGINE RPM'S							
CYLINDER #1 (°F)							
CYLINDER #2 (°F)							
CYLINDER #3 (°F)							
CYLINDER #4 (°F)	D	D	D	D	D	D	D
CYLINDER #5 (°F)	0	0	0	0	0	0	0
CYLINDER #6 (°F)	w	w	w	w	w	w	w
ENGINE WATER PRESSURE (psi)	N	N	N	N	N	N	N
ENGINE WATER TEMP. (°F)							
ENGINE OIL PRESSURE (psi)							
ENGINE OIL TEMP (°F)							
GEAR BOX OIL PRESSURE (psi)							
INBOARD BEARING TEMP (°F)							
OUTBOARD BEARING TEMP (°F)							

INITIAL: JD JD JD JD JD JD JD

DATE: 6/3 6/4 6/5 6/6 6/7 6/8 6/9



ENGINE DATA SHEET

LOCATION: Torrey #00385

ENGINE: Enterprise G-1

Enterprise G-2

A. ENGINE TIMER

START DATE: 7/1/19

FINISH DATE: 7-2-19

ENGINE HOUR: 2371

ENGINE HOUR: 2455

Within 200 hrs or 1 week of next required oil & filter change? Yes No

If yes, notify Maintenance Lead

B. INSPECTION	MON	TUES	WED	THUR	FRI	SAT	SUN
DISCHARGE PRESSURE (psi)		527			527		
SUCTION PRESSURE (psi)		13.3			15.0		
FRONT OXY. OUTPUT (mv)		12.0			12.0		
BACK OXY. OUTPUT (mv)		12.0			12.0		
WATER MAKE-UP TANK LEVEL		Full			Full		
LUBE OIL LEVEL		1/2			1/2		
OIL ADDED TO ENGINE (gal)		—			—		
AIR PRESSURE (psi)		190			190		
CONVERTER TEMP TC-1 (°F)		863			831		
CONVERTER TEMP TC-2 (°F)		820			771		
FRONT AIR/FUEL PRESSURE (psi)		+2.0			+2.0		
REAR AIR/FUEL PRESSURE (psi)		+1.0			+1.9		
ENGINE RPM'S		361			345		
CYLINDER #1 (°F)		1006			961		
CYLINDER #2 (°F)		990			951		
CYLINDER #3 (°F)		955			923		
CYLINDER #4 (°F)	D	1021	D		979	D	
CYLINDER #5 (°F)	O	1031	O		997	O	
CYLINDER #6 (°F)	W	—	W		—	W	
ENGINE WATER PRESSURE (psi)	N	11	N		11	N	
ENGINE WATER TEMP. (°F)		158			140		
ENGINE OIL PRESSURE (psi)		97			100		
ENGINE OIL TEMP (°F)		150			110		
GEAR BOX OIL PRESSURE (psi)		23			29		
INBOARD BEARING TEMP (°F)		130			120		
OUTBOARD BEARING TEMP (°F)		140			123		
INITIAL:	JO	CS	JO		CS	SH	
DATE:	7/1	7-2	7/3		7-5	7-6	



ENGINE DATA SHEET

LOCATION: Torrey #00385

ENGINE: Enterprise G-1

Enterprise G-2

A. ENGINE TIMER							
START DATE:	7/1/19			FINISH DATE:	7-7-19		
ENGINE HOUR:	18837			ENGINE HOUR:	18837		
Within 200 hrs or 1 week of next required oil & filter change? <input type="checkbox"/> Yes <input type="checkbox"/> No **If yes, notify Maintenance Lead**							
B. INSPECTION	MON	TUES	WED	THUR	FRI	SAT	SUN
DISCHARGE PRESSURE (psi)							
SUCTION PRESSURE (psi)							
FRONT OXY. OUTPUT (mv)							
BACK OXY. OUTPUT (mv)							
WATER MAKE-UP TANK LEVEL							
LUBE OIL LEVEL							
OIL ADDED TO ENGINE (gal)							
AIR PRESSURE (psi)							
CONVERTER TEMP TC-1 (°F)							
CONVERTER TEMP TC-2 (°F)							
FRONT AIR/FUEL PRESSURE (psi)							
REAR AIR/FUEL PRESSURE (psi)							
ENGINE RPM'S							
CYLINDER #1 (°F)							
CYLINDER #2 (°F)							
CYLINDER #3 (°F)							
CYLINDER #4 (°F)	D	D	D		D	D	
CYLINDER #5 (°F)	O	O	O		O	O	
CYLINDER #6 (°F)	W	W	W		W	W	
ENGINE WATER PRESSURE (psi)	N	N	N		N	N	
ENGINE WATER TEMP. (°F)							
ENGINE OIL PRESSURE (psi)							
ENGINE OIL TEMP (°F)							
GEAR BOX OIL PRESSURE (psi)							
INBOARD BEARING TEMP (°F)							
OUTBOARD BEARING TEMP (°F)							
INITIAL:	JO	CS	JO		CS	CS	
DATE:	7/1	7-2	7/3		7-5	7-6	



ENGINE DATA SHEET

LOCATION: Torrey #00385

ENGINE: Enterprise G-1
 Enterprise G-2

A. ENGINE TIMER

START DATE: 8/19/19

FINISH DATE: 8/26/19

ENGINE HOUR: 299.3

ENGINE HOUR: 310.5

Within 200 hrs or 1 week of next required oil & filter change? Yes No

If yes, notify Maintenance Lead

B. INSPECTION	MON	TUES	WED	THUR	FRI	SAT	SUN
DISCHARGE PRESSURE (psi)			525	527	524	525	
SUCTION PRESSURE (psi)			14.7	14.2	14.1	13.9	
FRONT OXY. OUTPUT (mv)			120	120	120	120	
BACK OXY. OUTPUT (mv)			12.0	12.0	12.0	12.0	
WATER MAKE-UP TANK LEVEL			Full	Full	Full	Full	
LUBE OIL LEVEL			1/2	1/2	1/2	1/2	
OIL ADDED TO ENGINE (gal)			-	10.4	-	0	
AIR PRESSURE (psi)			190	190	195	195	
CONVERTER TEMP TC-1 (°F)			865	872	870	865	
CONVERTER TEMP TC-2 (°F)			825	830	828	822	
FRONT AIR/FUEL PRESSURE (psi)			+1.6	+2.0	+1.8	+1.8	D
REAR AIR/FUEL PRESSURE (psi)			+1.4	+1.2	+1.2	+1.1	
ENGINE RPM'S			362	360	358	359	O
CYLINDER #1 (°F)			1019	1024	1030	1020	W
CYLINDER #2 (°F)			998	1004	1011	1000	
CYLINDER #3 (°F)			978	979	982	980	W
CYLINDER #4 (°F)	D	D	1040	1040	1042	1040	
CYLINDER #5 (°F)	O	O	1057	1060	1062	1060	
CYLINDER #6 (°F)	W	W	-	-	-	-	
ENGINE WATER PRESSURE (psi)	N	N	10	10	10	10	
ENGINE WATER TEMP. (°F)			150	150	155	150	
ENGINE OIL PRESSURE (psi)			84	88	85	95	
ENGINE OIL TEMP (°F)			150	150	150	150	
GEAR BOX OIL PRESSURE (psi)			27	24	26	25	
INBOARD BEARING TEMP (°F)			140	135	140	138	
OUTBOARD BEARING TEMP (°F)			152	150	150	150	
INITIAL:	JO	JO	JO	JO	JO	SA	SA
DATE:	8/19	9/20	9/21	9/22	9/23	9/24	8/25



ENGINE DATA SHEET

LOCATION: Torrey #00385

ENGINE: Enterprise G-1
 Enterprise G-2

A. ENGINE TIMER

START DATE: 8/19/19

FINISH DATE: 8/26/19

ENGINE HOUR: 18837

ENGINE HOUR: 18837

Within 200 hrs or 1 week of next required oil & filter change? Yes No

If yes, notify Maintenance Lead

B. INSPECTION

	MON	TUES	WED	THUR	FRI	SAT	SUN
DISCHARGE PRESSURE (psi)							
SUCTION PRESSURE (psi)							
FRONT OXY. OUTPUT (mv)							
BACK OXY. OUTPUT (mv)							
WATER MAKE-UP TANK LEVEL							
LUBE OIL LEVEL							
OIL ADDED TO ENGINE (gal)							
AIR PRESSURE (psi)							
CONVERTER TEMP TC-1 (°F)							
CONVERTER TEMP TC-2 (°F)							
FRONT AIR/FUEL PRESSURE (psi)							
REAR AIR/FUEL PRESSURE (psi)							
ENGINE RPM'S							
CYLINDER #1 (°F)							
CYLINDER #2 (°F)							
CYLINDER #3 (°F)							
CYLINDER #4 (°F)	D	D	D	D	D	N	N
CYLINDER #5 (°F)	O	O	O	O	O	O	O
CYLINDER #6 (°F)	W	W	W	W	W	W	W
ENGINE WATER PRESSURE (psi)	N	N	N	N	N	N	N
ENGINE WATER TEMP. (°F)							
ENGINE OIL PRESSURE (psi)							
ENGINE OIL TEMP (°F)							
GEAR BOX OIL PRESSURE (psi)							
INBOARD BEARING TEMP (°F)							
OUTBOARD BEARING TEMP (°F)							

INITIAL: JO JO JO JO JO JO JO JO
 DATE: 8/19 8/20 8/21 8/22 8/23 8/24 8/25



ENGINE DATA SHEET

LOCATION: Torrey #00385

ENGINE: Enterprise G-1

Enterprise G-2

A. ENGINE TIMER

START DATE: 9/2/19

FINISH DATE: 9/9/19

ENGINE HOUR: 18837

ENGINE HOUR: 18942

Within 200 hrs or 1 week of next required oil & filter change? Yes No

If yes, notify Maintenance Lead

B. INSPECTION	MON	TUES	WED	THUR	FRI	SAT	SUN
DISCHARGE PRESSURE (psi)				525			
SUCTION PRESSURE (psi)				13.8			
FRONT OXY. OUTPUT (mv)				120			
BACK OXY. OUTPUT (mv)				14.0			
WATER MAKE-UP TANK LEVEL				Full			
LUBE OIL LEVEL				1/2			
OIL ADDED TO ENGINE (gal)				20 GAL			
AIR PRESSURE (psi)				190			
CONVERTER TEMP TC-1 (°F)				842			
CONVERTER TEMP TC-2 (°F)				785			
FRONT AIR/FUEL PRESSURE (psi)				+0.2			
REAR AIR/FUEL PRESSURE (psi)				+0.8			
ENGINE RPM'S				346			
CYLINDER #1 (°F)				988			
CYLINDER #2 (°F)				982			
CYLINDER #3 (°F)				975			
CYLINDER #4 (°F)	D	D	D	1002	D	D	D
CYLINDER #5 (°F)	O	O	O	995	O	O	O
CYLINDER #6 (°F)	W	W	W	999	W	W	W
ENGINE WATER PRESSURE (psi)	N	N	N	10	W	N	N
ENGINE WATER TEMP. (°F)				170			
ENGINE OIL PRESSURE (psi)				45			
ENGINE OIL TEMP (°F)				145			
GEAR BOX OIL PRESSURE (psi)				27			
INBOARD BEARING TEMP (°F)				120			
OUTBOARD BEARING TEMP (°F)				130			
INITIAL:		JG	JG	JG	JG	JD	JD
DATE:		9/3	9/4	9/5	9/6	9/7	9/8



ENGINE DATA SHEET

LOCATION: Torrey #00385

ENGINE: Enterprise G-1

Enterprise G-2

A. ENGINE TIMER

START DATE: 9/2/19

FINISH DATE: 9/9/19

ENGINE HOUR: 3189

ENGINE HOUR: 3255

Within 200 hrs or 1 week of next required oil & filter change? Yes No

If yes, notify Maintenance Lead

B. INSPECTION	MON	TUES	WED	THUR	FRI	SAT	SUN
DISCHARGE PRESSURE (psi)			525	528			
SUCTION PRESSURE (psi)			13.4	13.9			
FRONT OXY. OUTPUT (mv)			120	120			
BACK OXY. OUTPUT (mv)			120	120			
WATER MAKE-UP TANK LEVEL			FULL	FULL			
LUBE OIL LEVEL			1/2	1/2			
OIL ADDED TO ENGINE (gal)			10.64	-			
AIR PRESSURE (psi)			190	190			
CONVERTER TEMP TC-1 (°F)			881	862			
CONVERTER TEMP TC-2 (°F)			812	810			
FRONT AIR/FUEL PRESSURE (psi)			+1.0	+1.1			
REAR AIR/FUEL PRESSURE (psi)			+1.2	+1.8			
ENGINE RPM'S			349	346			
CYLINDER #1 (°F)			995	998			
CYLINDER #2 (°F)			989	950			
CYLINDER #3 (°F)			952	961			
CYLINDER #4 (°F)			999	1001			
CYLINDER #5 (°F)			1005	1012			
CYLINDER #6 (°F)	D	D	-	-	D	D	D
ENGINE WATER PRESSURE (psi)	0	0	16	10	0	0	0
ENGINE WATER TEMP. (°F)	W	W	150	150	W	W	W
ENGINE OIL PRESSURE (psi)	N	N	85	84	N	N	N
ENGINE OIL TEMP (°F)			145	150			
GEAR BOX OIL PRESSURE (psi)			24	26			
INBOARD BEARING TEMP (°F)			120	130			
OUTBOARD BEARING TEMP (°F)			135	140			
INITIAL:	JO	JO	JO	JO	JO	SW	SW
DATE:	9/2	9/3	9/4	9/5	9/6	9/7	9/8