| Module Setup 147 - Rosalind 06-10-44-18-W4M | | | |
|---|---|---|---|
| Detechtion Number | 147 | Asset Name | Rosalind 06-10-44-18-W4M |
| Client Asset # | 147 | Asset Location | 06-10-44-18-W4M |
| Asset Type | Screw | Recipient Location | |
| Latitude | 52.7760368 | Elevation - fasl | 2345.8 |
| Longitude | -112.5348788 | Time Zone | America/Edmonton |
| Area | CBM East | Field | Rosalind |
| Foreman | Scott Schell | | |
| Operator | | Province/State | Alberta |
| Packager Name | Toromont | Package Serial # | 10790 |
| Package Manufacturer Date | | | |
| Noise Suppression Installed | | Asset Sound Level (dB) | 0 |
| Noise Suppression Description | | | |
| Cost Center Code | 4270047 | | |
| Asset Properties | | | |
| Gas Working Interest % | 100 | Gas Pricing - $/mscf | 2 |
| Skid Type | Housed | Electricity Pricing - $/kWh | 0.1 |
| Field Limitation | No | Sour Service | No |
| Ownership Status | Owned | Asset Application | Gathering |
| Disable HP Savings CFR Due To Bypass | No | Vibration Planes | 1 |
| Emissions | | | |
| EUB License # | | Environmental Registration # | |
| Regulated Facility Name | | Regulated Facility Type | |
| Facility ID (From Environment Canada) | | Facility - Date of Change | |
| Facility Licensed NOx Emissions | | Facility Licensed CO Emissions | |
| Facility Licenced HP | | | |
| NPRI | | Provincial Identifier Type | |
| Provincial Identifier | | Other Provincial Identifier Type | |
| Additional Responsible Person Name | | Additional Responsible Person ID | |
| Additional Responsible Person Role | | | |
| | | | |
| Setup Date | 11/9/2012 | Setup Fee | Setup Fee # 1 |
| | | Enalysis Fee | Enalysis Fee # 1 |
| Active Status | Surplus | Using Maintenance | Yes |
| Surplus Condition | Unknown | | |
| Stand-by | No | Using SCADA | Yes |
| Remote Asset ID | 147 | | |
| Reason Unit is not Operating | Disconnected as per Trevor Szott May 2016 - BN May 2016 | | |
| | | | |

| Gas Analysis 147 - Rosalind 06-10-44-18-W4M | | | |
|---|---|---|---|
| Stream Name | Inlet Stream | Fuel Gas | |
| Stream Type | Inlet Stream | Fuel Gas | |
| Sample Date | 01/29/2013 | 01/29/2013 | |
| Hydrogen | 0.0000 | 0.0000 | |
| Helium | 0.0005 | 0.0005 | |
| Nitrogen | 0.0309 | 0.0309 | |
| Carbon Dioxide | 0.0064 | 0.0064 | |
| Hydrogen Sulfide | 0.0000 | 0.0000 | |
| Methane | 0.9294 | 0.9294 | |
| Ethane | 0.0192 | 0.0192 | |
| Propane | 0.0068 | 0.0068 | |
| ISO Butane | 0.0017 | 0.0017 | |
| Normal Butane | 0.0023 | 0.0023 | |
| ISO Pentane | 0.0008 | 0.0008 | |
| Normal Pentane | 0.0007 | 0.0007 | |
| Hexane | 0.0006 | 0.0006 | |
| Heptane | 0.0007 | 0.0007 | |
| Octane | 0.0000 | 0.0000 | |
| Oxygen | 0.0000 | 0.0000 | |
| Ammonia | 0.0000 | 0.0000 | |
| Water | 0.0000 | 0.0000 | |
| Pseudo Critical Temperature Adjustment | 1.24 | 1.24 | |
| Specific Gravity | 0.601 | 0.601 | |
| Dehydrated Gas | Yes | Yes | |
| Temperature Base - $^{O}F$ | 60 | 60 | |
| Pressure Base - psia | 14.696 | 14.696 | |

| Driver Setup 147 - Rosalind 06-10-44-18-W4M | | | |
|---|---|---|---|
| Manufacturer | Caterpillar | Model | G3304NA |
| Serial Number | 37Y04810 | Asset Tracking Number | |
| Driver Type | NA | Engine Manufacturer Date | |
| Engine Configuration | Inline | Number of Cylinders | 4 |
| Compression Ratio | 10.5 | | |
| Rated rpm | 1800 | Min rpm | 1200 |
| Max Horsepower @Sea Level | 95 | Max Derated Horsepower | 94.99 |
| Min Horsepower @Sea Level | 63 | Min Derated Horsepower | 62.99 |
| Fuel Requirements - Btu/HPhr | 1000.99 | Inlet Stream LHV - Btu/cft | 915.81 |
| Engine Timing - BTDC ° | 0 | Air / Fuel Ratio | 0 |
| Max Boost - psig | 0 | Max Engine Exhaust Temp - $^{o}$F | 0 |
| Exhaust Flow - cfm | 0 | Exhaust O2 % | 0 |
| Max Engine NOx - g/bhp-hr | 0 | Max Engine CO - g/bhp-hr | 0 |
| Max Engine CO2 - g/bhp-hr | 0 | Overall Exhaust dB @ 1.5m | 115.8 |
| Water Pump - HP | 1.9 | Other Auxiliary Draw - HP | 0 |
| Max Top End Overhaul Hours | 25000 | Max BTTM End Overhaul Hours | 75000 |
| Max Oil Change Hours | 1250 | Ambient Operating Temp - $^{o}$F | 60 |
| Gear Ratio | 1.3095 | Compressor rpm @ Rated Driver rpm | 2357.1 |
| Intake Valve Recession Limit | 0.09 | Exhaust Valve Recession Limit | 0.09 |
| Valves per Cylinder | 1 | Stroke Type | |
| Burn Type | | Burn Type Date Modified | |
| Engine Muffler Make | | Engine Muffler Model | |
| Engine Muffler Serial Number | | Engine Coolant Type | |
| Catalytic Converter Installed | No | | |
| Catalytic Converter Make | | Catalytic Converter Model | |
| Catalytic Converter Serial Number | | Element Installed | |
| | | | |
| Year Organization Became Responsible Person | | Company Role | |
| If Owner, owned before 2016-06-17? | | Date of ownership if on or after June 17, 2016 | |
| Internal ID | | | |
| Requesting unique identifier? | | Reason for requesting unique identifier | |
| Unique Alphanumeric Identifier | | | |
| Records located at facility? | | Records Location | |
| Group Type | | Group Date Start | |
| Emission Control Systems Type | | Emission control systems type if other | |
| Emission control systems before or on March 31, 2020? | | Emission control systems date if after March 31, 2020 | |
| Registered Date | | | |

| Engine Flags Setup 147 - Rosalind 06-10-44-18-W4M | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Pressure - psig | High | High | Low | Low | Temperature - $^{o}$F | High | High | Low | Low |
| Oil Header | 95 | 84 | 37 | 30 | Oil Header | 230 | 210 | 170 | 140 |
| Jacket | 8 | 7 | 4 | 3 | Jacket | 210 | 205 | 160 | 150 |
| Fuel Gas | 5 | 4 | 2 | 1.5 | Fuel Gas | 140 | 120 | 70 | 50 |
| Intercooler | | | | | Intercooler | | | | |
| Intake Manifold | 29 | 28 | 27.2 | 14 | Intake Manifold | 147 | 110 | 104 | 80 |
| | | | | | Exhaust Manifold | 1292 | 1081 | 964 | 868 |
| | | | | | Aux. Water | 135 | 130 | 117 | 100 |
| | | | | | Cylinder Deviation | 75 | | | |

| Frame Setup | 147 - Rosalind 06-10-44-18-W4M | | |
|---|---|---|---|
| Manufacturer | Frick | Model | XJF151M |
| Frame Type | Helical | Profile | Asymmetric |
| Serial Number | 1336NZ | Asset Tracking Number | |
| Manufacturer Date Frame | | | |
| | | | |
| Male Rotor Diameter (m) | 0.151 | Vi Setting Type | Fixed |
| Male Rotor Length (m) | 0.22046 | Vi Setting Low | |
| Gap Size (inches) | 0.003 | Vi Setting Medium | |
| Max Frame Discharge Temperature ($^{O}$F) | 250 | Vi Setting High | |
| Max Suction Pressure (psig) | 135 | Vi Setting Fixed | 3 |
| Max Discharge Pressure (psig) | 400 | Vi Theory | Vi is Fixed |
| Max Compressor Speed (rpm) | 3600 | Configuration (Male x Female) | 5 x 7 |
| Max Compressor Overhaul Hours | 60000 | Balance Piston Diameter (mm) | 0 |
| Minimum Slide Valve Position -% | 25 | Thrust Bearings Load Rating(lbs) | 0 |
| | | | |
| Has Oil Pump | No | Oil Viscosity (ISO) | 120 |
| Oil Density (LB / FT$^3$) | 52 | Oil Specific Heat(Btu / LB$^{O}$F) | 0.48 |
| Oil Type | | Oil Pump HP | |
| Max Coalescing Filter Differential (psig) | 15 | Max Oil Injection Temperature ($^{O}$F) | 170 |
| Max Oil Filter Differential (psig) | 10 | Max Oil Discharge Temperature ($^{O}$F) | 210 |

| Slide Valve Coefficients | Value |
|---|---|
| Constant | 0 |
| SV$^1$ | 1 |
| SV$^2$ | 0 |
| SV$^3$ | 0 |
| SV$^4$ | 0 |
| SV$^5$ | 0 |
| SV$^6$ | 0 |

| Vi Efficiency Factors | |
|---|---|
| Vi | Efficiency Factors |
| 3 | 1 |

| Aerial Cooler Setup 147 - Rosalind 06-10-44-18-W4M | | | |
|---|---|---|---|
| Manufacturer | Air-X-Hemphill | Model | 42 - VI |
| Serial Number | 7694-17059 | Horsepower Draw | 3.8 |
| Coolant Type | | Rated RPM | 0 |
| Blade RPM | | Blade Diameter | |
| Electricity Draw | | | |
| Design Pressure MAWP - psig | 300 | Required Temperature Out - $^{O}$F | 120 |
| Estimated Pressure Drop - psig | 5 | Max Design Temperature - $^{O}$F | 350 |
| | | | |
| # of Passes/Section | | Corrosion Allowance - inches | |
| # of Tubes/Section | | Fouling Factor | |
| # of Rows | | Ambient Air Design Temp - $^{O}$F | |
| | | | |
| Tube O.D. - inches | | Tube I.D. - inches | |
| Tube Gauge | | Length of Tubes - feet | |
| Tube Material | | | |

| Reporting Compliance 147 - Rosalind 06-10-44-18-W4M | |
|---|---|
| Set Expected Interval | No |

| Linked Modules 147 - Rosalind 06-10-44-18-W4M |
|---|
| Links to related asset modules. |