

Module Setup 142 - Kelsey Gas Plant 06-13-44-18-W4M (Screw)			
Detection Number	142	Asset Name	Kelsey Gas Plant 06-13-44-18-W4M (Screw)
Client Asset #	142	Asset Location	06-13-44-18-W4M
Asset Type	Screw	Recipient Location	
Latitude	52.78875	Elevation - fast	2338.3
Longitude	-112.483491	Time Zone	America/Edmonton
Area	CBM East	Field	Rosalind
Foreman	Scott Schell		
Operator		Province/State	Alberta
Packager Name		Package Serial #	
Package Manufacturer Date			
Noise Suppression Installed		Asset Sound Level (dB)	0
Noise Suppression Description			
Cost Center Code	4270049		
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	Process
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	11/5/2012	Setup Fee	Setup Fee # 2
		Analysis Fee	Analysis Fee # 1
Active Status	Surplus	Using Maintenance	Yes
Surplus Condition	Unknown		
Stand-by	No	Using SCADA	Yes
Remote Asset ID	142		
Reason Unit is not Operating	Shut in as per D.Laye Mar 2015, stored at Tryson Trucking		

Gas Analysis Setup 142 - Kelsey Gas Plant 06-13-44-18-W4M (Screw)

Gas	MOL Fraction	Gas	MOL Fraction
Hydrogen	0	Normal Butane	0.0001
Helium	0.0006	ISO Pentane	0
Nitrogen	0.0203	Normal Pentane	0
Carbon Dioxide	0.0005	Hexane	0.0001
Hydrogen Sulfide	0	Heptane	0.0004
Methane	0.9753	Octane	0
Ethane	0.0024	Oxygen	0
Propane	0.0002	Ammonia	0
ISO Butane	0.0001	Water	0
Total MOL Fraction	1	Pseudo Critical Temperature Adjustment	0.13
Temperature Base - °F	60	Pressure Base - psia	14.696
Stream Name	Inlet Str.	Stream Type	Inlet Stream
Dehydrated Gas	No	Sample Date	03/15/2007
Sort Order	1		
Date of Entry	10/2/2009		

Driver Setup 142 - Kelsey Gas Plant 06-13-44-18-W4M (Screw)

Manufacturer	IEM	Model	5010H
Serial Number	7911001	Asset Tracking Number	
Driver Type	Electric	Engine Manufacturer Date	
A-C Motor Type			
Name Plate Rated rpm	3560	Min rpm	3559
Max Horsepower @Sea Level	700	Max Derated Horsepower	700
Min Horsepower @Sea Level	699	Min Derated Horsepower	699
Name Plate Voltage		Name Plate Current	
Phase		Cycles - HZ	
System Power Factor		Class and Division	
Service Factor		Nema Efficiency Index	
Group		Motor ID	
Enclosure		Ambient Operating Temp - °F	60
Other Auxiliary Draw - HP	0	Max Motor Overhaul Hours	35000
Gear Ratio	1	Compressor rpm @ Rated Driver rpm	3560
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			

Manufacturer	Sullair	Model	PC25L
Frame Type	Helical	Profile	Asymmetric
Serial Number	2006 08290049	Asset Tracking Number	
Manufacturer Date Frame			
Male Rotor Diameter (m)	0.255	Vi Setting Type	Fixed
Male Rotor Length (m)	0.4335	Vi Setting Low	
Gap Size (inches)	0.003	Vi Setting Medium	
Max Frame Discharge Temperature (°F)	250	Vi Setting High	
Max Suction Pressure (psig)	85	Vi Setting Fixed	3.7
Max Discharge Pressure (psig)	300	Vi Theory	Vi is Fixed
Max Compressor Speed (rpm)	3745	Configuration (Male x Female)	4 x 6
Max Compressor Overhaul Hours	35000	Balance Piston Diameter (mm)	0
Minimum Slide Valve Position -%	0	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°F)	0.48
Oil Type		Oil Pump HP	
Max Coalescing Filter Differential (psig)	15	Max Oil Injection Temperature (°F)	170
Max Oil Filter Differential (psig)	10	Max Oil Discharge Temperature (°F)	210

Slide Valve Coefficients	Value	Vi Efficiency Factors	Efficiency Factors
Constant	0	Vi	1
SV ¹	1	3.7	
SV ²	0		
SV ³	0		
SV ⁴	0		
SV ⁵	0		
SV ⁶	0		

Aerial Cooler Setup 142 - Kelsey Gas Plant 06-13-44-18-W4M (Screw)			
Manufacturer	Air-X-Changer	Model	120 EH
Serial Number	885440	Horsepower Draw	0
Coolant Type		Rated RPM	
Blade RPM		Blade Diameter	
Electricity Draw			
Design Pressure MAWP - psig	655	Required Temperature Out - °F	120
Estimated Pressure Drop - psig	5	Max Design Temperature - °F	300
# of Passes/Section		Corrosion Allowance - inches	
# of Tubes/Section		Fouling Factor	
# of Rows		Ambient Air Design Temp - °F	
Tube O.D. - inches		Tube I.D. - inches	
Tube Gauge		Length of Tubes - feet	
Tube Material			

Reporting Compliance 142 - Kelsey Gas Plant 06-13-44-18-W4M (Screw)	
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Set Expected Interval	No
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Linked Modules 142 - Kelsey Gas Plant 06-13-44-18-W4M (Screw)	
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Links to related asset modules.

