Module Setup 140 - Clive 09-06-41-24-W4M (95hp)			
Detechtion Number	140	Asset Name	Clive 09-06-41-24-W4M (95hp)
Client Asset #	140	Asset Location	09-06-41-24-W4M
Asset Type	Screw	Recipient Location	
Latitude	52.4993819	Elevation - fasl	2756.9
Longitude	-113.4355231	Time Zone	America/Edmonton
Area	Clive/Bashaw	Field	Clive
Foreman	Todd Roper		
Operator		Province/State	Alberta
Packager Name	Concept Compression	Package Serial #	100252
Package Manufacturer Date			
Noise Suppression Installed		Asset Sound Level (dB)	0
Noise Suppression Description			
Cost Center Code	2500043		
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	10/26/2012	Setup Fee	Setup Fee # 2
		Enalysis Fee	Enalysis Fee # 1
Active Status	Surplus	Using Maintenance	Yes
Surplus Condition	Unknown		
Stand-by	No	Using SCADA	Yes
Remote Asset ID	140		
Reason Unit is not Operating			

Gas Analysis 140 - Clive 09-06-41-24-W4M (95hp)			
Stream Name	Inlet Str.	Fuel Gas	
Stream Type	Inlet Stream	Fuel Gas	
Sample Date	04/27/2007	04/27/2007	
Hydrogen	0.0000	0.0000	
Helium	0.0002	0.0002	
Nitrogen	0.0119	0.0119	
Carbon Dioxide	0.0030	0.0030	
Hydrogen Sulfide	0.0000	0.0000	
Methane	0.9634	0.9634	
Ethane	0.0112	0.0112	
Propane	0.0049	0.0049	
ISO Butane	0.0009	0.0009	
Normal Butane	0.0014	0.0014	
ISO Pentane	0.0004	0.0004	
Normal Pentane	0.0004	0.0004	
Hexane	0.0004	0.0004	
Heptane	0.0019	0.0019	
Octane	0.0000	0.0000	
Oxygen	0.0000	0.0000	
Ammonia	0.0000	0.0000	
Water	0.0000	0.0000	
Pseudo Critical Temperature Adjustment	0.63	0.63	
Specific Gravity	0.583	0.583	
Dehydrated Gas	No	Yes	
Temperature Base - ^{O}F	60	60	
Pressure Base - psia	14.696	14.696	

Driver Setup	140 - Clive 09-06-41-24-W4M (95hp)		
Manufacturer	Caterpillar	Model	G3304NA
Serial Number	N4F00822	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	90.99
Min Horsepower @Sea Level	60	Min Derated Horsepower	57.46
Fuel Requirements - Btu/HPhr	7696	Inlet Stream LHV - Btu/cft	926.92
Engine Timing - BTDC °	30	Air / Fuel Ratio	9.8
Max Boost - psig	0	Max Engine Exhaust Temp - ^{o}F	1012
Exhaust Flow - cfm	436	Exhaust O2 %	2
Max Engine NOx - g/bhp-hr	20.17	Max Engine CO - g/bhp-hr	1.6
Max Engine CO2 - g/bhp-hr	499	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	2000	Ambient Operating Temp - ^{o}F	60
Gear Ratio	3.58	Compressor rpm @ Rated Driver rpm	6444
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	N/A		
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	140 - Clive 09-06-41-24-W4M (95hp)								
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 140 - Clive 09-06-41-24-W4M (95hp)			
Manufacturer	Sullair	Model	PDH12L
Frame Type	Helical	Profile	Asymmetric
Serial Number	006-04008193	Asset Tracking Number	
Manufacturer Date Frame			
Male Rotor Diameter (m)	0.1275	Vi Setting Type	Fixed
Male Rotor Length (m)	0.21675	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)	85	Vi Setting Fixed	2.2
Max Discharge Pressure (psig)	300	Vi Theory	Vi is Fixed
Max Compressor Speed (rpm)	7493	Configuration (Male x Female)	4 x 6
Max Compressor Overhaul Hours	50000	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^{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
2.2	1

Aerial Cooler Setup 140 - Clive 09-06-41-24-W4M (95hp)			
Manufacturer	Flat Plate	Model	FP10X20L-24/RCC3
Serial Number	L024CC32203003	Horsepower Draw	3.8
Coolant Type		Rated RPM	0
Blade RPM		Blade Diameter	
Electricity Draw			
Design Pressure MAWP - psig	450	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 140 - Clive 09-06-41-24-W4M (95hp)	
Set Expected Interval	No

Linked Modules 140 - Clive 09-06-41-24-W4M (95hp)
Links to related asset modules.