

Module Setup 270 - Entice 2 08-19-28-24-W4M K102			
Detection Number	270	Asset Name	Entice 2 08-19-28-24-W4M K102
Client Asset #	270	Asset Location	08-19-28-24-W4M
Asset Type	Screw	Recipient Location	
Latitude	51.4069147	Elevation - fast	2998.7
Longitude	-113.3600918	Time Zone	America/Edmonton
Area	Strathmore	Field	Entice
Foreman	Greg Grover		
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	7020141		
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	1/9/2015	Setup Fee	Setup Fee # 1
		Analysis Fee	Analysis Fee # 1
Active Status	Surplus	Using Maintenance	Yes
Surplus Condition	Unknown		
Stand-by	No	Using SCADA	Yes
Remote Asset ID			
Reason Unit is not Operating	Shut in as per D.Laye Mar 2015		

Stream Name	GENERIC INLET	GENERIC FUEL	
Stream Type	Inlet Stream	Fuel Gas	
Sample Date	01/15/2008	01/15/2008	
Hydrogen	0.0000	0.0000	
Helium	0.0000	0.0000	
Nitrogen	0.0082	0.0082	
Carbon Dioxide	0.0020	0.0020	
Hydrogen Sulfide	0.0000	0.0000	
Methane	0.9853	0.9853	
Ethane	0.0041	0.0041	
Propane	0.0004	0.0004	
ISO Butane	0.0000	0.0000	
Normal Butane	0.0000	0.0000	
ISO Pentane	0.0000	0.0000	
Normal Pentane	0.0000	0.0000	
Hexane	0.0000	0.0000	
Heptane	0.0000	0.0000	
Octane	0.0000	0.0000	
Oxygen	0.0000	0.0000	
Ammonia	0.0000	0.0000	
Water	0.0000	0.0000	
Pseudo Critical Temperature Adjustment	0.44	0.44	
Specific Gravity	0.562	0.562	
Dehydrated Gas	No	No	
Temperature Base - °F	60	60	
Pressure Base - psia	14.696	14.696	

Driver Setup				270 - Entice 2 08-19-28-24-W4M K102			
Manufacturer	Caterpillar	Model	G3512SITA				
Serial Number	7NJ00744	Asset Tracking Number					
Driver Type	Turbo	Engine Manufacturer Date					
Engine Configuration	V	Number of Cylinders	12				
Compression Ratio	8						
Rated rpm	1200	Min rpm	900				
Max Horsepower @Sea Level	810	Max Derated Horsepower	810				
Min Horsepower @Sea Level	608	Min Derated Horsepower	587				
Fuel Requirements - Btu/HPhr	7407	Inlet Stream LHV - Btu/cft	903.59				
Engine Timing - BTDC °	33	Air / Fuel Ratio	9.47				
Max Boost - psig	16.68	Max Engine Exhaust Temp - °F	801				
Exhaust Flow - cfm	4243	Exhaust O2 %	8.2				
Max Engine NOx - g/bhp-hr	2	Max Engine CO - g/bhp-hr	1.6				
Max Engine CO2 - g/bhp-hr	481	Overall Exhaust dB @ 1.5m	120				
Water Pump - HP	16.2	Other Auxiliary Draw - HP	0				
Max Top End Overhaul Hours	30000	Max BTTM End Overhaul Hours	90000				
Max Oil Change Hours	2450	Ambient Operating Temp - °F	60				
Gear Ratio	1	Compressor rpm @ Rated Driver rpm	1200				
Intake Valve Recession Limit	0.09	Exhaust Valve Recession Limit	0.09				
Valves per Cylinder	2	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										270 - Entice 2 08-19-28-24-W4M K102			
Pressure - psig	High	High	Low	Low	Temperature - °F	High	High	Low	Low				
Oil Header	95	84	37	30	Oil Header	220	210	170	140				
Jacket	8	7	4	3	Jacket	210	200	180	150				
Fuel Gas	47	46	2	1.5	Fuel Gas	140	120	70	50				
Intercooler	8	7	4	3	Intercooler	170	161	94	77				
Intake Manifold	76	75	26.4	13	Intake Manifold	167	155	82	60				
					Exhaust Manifold	1238	1225	628	565				
					Aux. Water	135	130	117	100				
					Cylinder Deviation	75							

Manufacturer	Howden	Model	WRVi 321/1.93
Frame Type	Helical	Profile	Asymmetric
Serial Number	MK6A/WRVI 321193/306	Asset Tracking Number	
Manufacturer Date Frame			
Male Rotor Diameter (m)	0.3212	Vi Setting Type	Infinite
Male Rotor Length (m)	0.61992	Vi Setting Low	
Gap Size (inches)	0.003	Vi Setting Medium	
Max Frame Discharge Temperature (°F)	212	Vi Setting High	
Max Suction Pressure (psig)	101.5	Vi Setting Fixed	
Max Discharge Pressure (psig)	260	Vi Theory	Vi is Fixed
Max Compressor Speed (rpm)	3600	Configuration (Male x Female)	4 x 6
Max Compressor Overhaul Hours	30000	Balance Piston Diameter (mm)	0
Minimum Slide Valve Position -%	0	Thrust Bearings Load Rating(lbs)	0
Has Oil Pump	Yes	Oil Viscosity (ISO)	120
Oil Density (LB / FT ³)	52	Oil Specific Heat(Btu / LB°F)	0.48
Oil Type	Unknown	Oil Pump HP	0
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
Constant	0
SV ¹	1
SV ²	0
SV ³	0
SV ⁴	0
SV ⁵	0
SV ⁶	0

Vi Efficiency Factors	Efficiency Factors
Vi	
1.1	1
2	1
3	1
4	1
5	1
6	1

Aerial Cooler Setup 270 - Entice 2 08-19-28-24-W4M K102

Manufacturer	Air-X-Changer	Model	132EH
Serial Number	025604	Horsepower Draw	32.4
Coolant Type		Rated RPM	0
Blade RPM		Blade Diameter	
Electricity Draw			
Design Pressure MAWP - psig	245	Required Temperature Out - °F	120
Estimated Pressure Drop - psig	5	Max Design Temperature - °F	250
# 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 270 - Entice 2 08-19-28-24-W4M K102

Set Expected Interval	No
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Linked Modules 270 - Entice 2 08-19-28-24-W4M K102

Links to related asset modules.



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