

Module Setup 128 - Clive 04-15-40-24-W4M C-307			
Detection Number	128	Asset Name	Clive 04-15-40-24-W4M C-307
Client Asset #	128	Asset Location	04-15-40-24-W4M
Asset Type	Screw	Recipient Location	
Latitude	52.43608	Elevation - fast	3005
Longitude	-113.384213	Time Zone	America/Edmonton
Area	Clive/Bashaw	Field	Clive
Foreman	Todd Roper		
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	2500391		
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	10/25/2012	Setup Fee	Setup Fee # 1
		Analysis Fee	Analysis Fee # 1
Active Status	Surplus	Using Maintenance	Yes
Surplus Condition	Unknown		
Stand-by	Yes	Using SCADA	Yes
Remote Asset ID	128		
Reason Unit is not Operating	Set to surplus as per Mark Germsheid Mar 2018 - BN		

Stream Name	Inlet Stream	Fuel Gas
Stream Type	Inlet Stream	Fuel Gas
Sample Date	08/08/2007	03/08/2007
Hydrogen	0.0000	0.0000
Helium	0.0003	0.0003
Nitrogen	0.0221	0.0183
Carbon Dioxide	0.0007	0.0023
Hydrogen Sulfide	0.0000	0.0000
Methane	0.9720	0.9649
Ethane	0.0042	0.0096
Propane	0.0005	0.0028
ISO Butane	0.0002	0.0005
Normal Butane	0.0000	0.0006
ISO Pentane	0.0000	0.0002
Normal Pentane	0.0000	0.0002
Hexane	0.0000	0.0000
Heptane	0.0000	0.0003
Octane	0.0000	0.0000
Oxygen	0.0000	0.0000
Ammonia	0.0000	0.0000
Water	0.0000	0.0000
Pseudo Critical Temperature Adjustment	0.17	0.5
Specific Gravity	0.566	0.574
Dehydrated Gas	Yes	Yes
Temperature Base - °F	60	60
Pressure Base - psia	14.696	14.696

Driver Setup 128 - Clive 04-15-40-24-W4M C-307

Manufacturer	Waukesha	Model	F18GL LCR
Serial Number	C-10971A	Asset Tracking Number	
Driver Type	Turbo	Engine Manufacturer Date	
Engine Configuration	Inline	Number of Cylinders	6
Compression Ratio	8.7		
Rated rpm	1800	Min rpm	1400
Max Horsepower @Sea Level	400	Max Derated Horsepower	400
Min Horsepower @Sea Level	310	Min Derated Horsepower	310
Fuel Requirements - Btu/HPhr	7524	Inlet Stream LHV - Btu/cft	905.82
Engine Timing - BTDC °	24	Air / Fuel Ratio	14.7
Max Boost - psig	15.75	Max Engine Exhaust Temp - °F	874
Exhaust Flow - cfm	2196	Exhaust O2 %	7.8
Max Engine NOx - g/bhp-hr	2	Max Engine CO - g/bhp-hr	1.7
Max Engine CO2 - g/bhp-hr	427.5	Overall Exhaust dB @ 1.5m	100.99
Water Pump - HP	8	Other Auxiliary Draw - HP	0
Max Top End Overhaul Hours	30000	Max BTTM End Overhaul Hours	60000
Max Oil Change Hours	1000	Ambient Operating Temp - °F	60
Gear Ratio	1	Compressor rpm @ Rated Driver rpm	1800
Intake Valve Recession Limit	0.06	Exhaust Valve Recession Limit	0.06
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 128 - Clive 04-15-40-24-W4M C-307

Pressure - psig	High	High	Low	Low	Temperature - °F	High	High	Low	Low
Oil Header	75	63	35	30	Oil Header	205	200	160	140
Jacket	21.7	18	7	2.5	Jacket	200	190	170	150
Fuel Gas	65	60	1	0	Fuel Gas	140	130	-10	-20
Intercooler	21.7	18	7	2.5	Intercooler	150	137	124	110
Intake Manifold	18	16	-2	-3	Intake Manifold	155	145	130	110
					Exhaust Manifold	1375	1310	625	565
					Aux. Water	140	130	120	100
					Cylinder Deviation	75			

Manufacturer	Gardner-Denver	Model	SSYG99C
Frame Type	Helical	Profile	Asymmetric
Serial Number	5152351	Asset Tracking Number	
Manufacturer Date Frame			
Male Rotor Diameter (m)	0.3701	Vi Setting Type	Variable4
Male Rotor Length (m)	0.5791	Vi Setting Low	2.8
Gap Size (inches)	0.003	Vi Setting Medium	3.2
		Vi Setting Medium2	3.7
Max Frame Discharge Temperature (°F)	240	Vi Setting High	4.6
Max Suction Pressure (psig)	50	Vi Setting Fixed	
Max Discharge Pressure (psig)	250	Vi Theory	Vi Reduces with Slide Valve
Max Compressor Speed (rpm)	2998	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	Yes	Oil Viscosity (ISO)	120
Oil Density (LB / FT ³)	52	Oil Specific Heat(Btu / LB°F)	0.48
Oil Type		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	Vi Efficiency Factors	Efficiency Factors
Constant	0	Vi	
SV ¹	1	2.8	1
SV ²	0	3.2	1
SV ³	0	3.7	1
SV ⁴	0	4.6	1
SV ⁵	0		
SV ⁶	0		

Aerial Cooler Setup 128 - Clive 04-15-40-24-W4M C-307

Manufacturer	Air-X-Hemphill	Model	93 EF
Serial Number	9492.4	Horsepower Draw	0
Coolant Type		Rated RPM	0
Blade RPM		Blade Diameter	
Electricity Draw			
Design Pressure MAWP - psig	350	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 128 - Clive 04-15-40-24-W4M C-307

Set Expected Interval	No
-----------------------	----

Linked Modules 128 - Clive 04-15-40-24-W4M C-307

Links to related asset modules.



1.800.780.9798 www.detection.com
 Copyright 2001-2019 Detection Technologies. All rights reserved.