

Module Setup 1037 - Gadsby 06-16-39-19-W4M K200			
Detection Number	1037	Asset Name	Gadsby 06-16-39-19-W4M K200
Client Asset #	1037	Asset Location	06-16-39-19-W4M
Asset Type	Recip	Recipient Location	
Latitude	52.352207	Elevation - fast	2654
Longitude	-112.682759	Time Zone	Canada/Mountain
Area	CBM East	Field	Gadsby
Foreman	Scott Schell		
Operator		Province/State	Alberta
Packager Name	Cherco Barber	Package Serial #	938099
Package Manufacturer Date			
Noise Suppression Installed		Asset Sound Level (dB)	0
Noise Suppression Description			
Cost Center Code	3400251		
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	11/5/2013	Setup Fee	Setup Fee # 2
		Analysis Fee	Analysis Fee # 1
Active Status	Surplus	Using Maintenance	Yes
Surplus Condition	Unknown		
Stand-by	No	Using SCADA	No
Remote Asset ID	1037		
Reason Unit is not Operating	Shut in as per D.Laye Mar 2015		

Stream Name	Inlet Str.	Fuel Gas
Stream Type	Inlet Stream	Fuel Gas
Sample Date	08/08/2008	08/08/2008
Hydrogen	0.0000	0.0000
Helium	0.0005	0.0005
Nitrogen	0.0264	0.0264
Carbon Dioxide	0.0027	0.0027
Hydrogen Sulfide	0.0000	0.0000
Methane	0.8815	0.8815
Ethane	0.0497	0.0497
Propane	0.0214	0.0214
ISO Butane	0.0054	0.0054
Normal Butane	0.0055	0.0055
ISO Pentane	0.0021	0.0021
Normal Pentane	0.0017	0.0017
Hexane	0.0016	0.0016
Heptane	0.0015	0.0015
Octane	0.0000	0.0000
Oxygen	0.0000	0.0000
Ammonia	0.0000	0.0000
Water	0.0000	0.0000
Pseudo Critical Temperature Adjustment	0.58	0.58
Specific Gravity	0.643	0.643
Dehydrated Gas	No	Yes
Temperature Base - °F	60	60
Pressure Base - psia	14.696	14.696

Driver Setup		1037 - Gadsby 06-16-39-19-W4M K200	
Manufacturer	Caterpillar	Model	G3406NA
Serial Number	4FD00474	Asset Tracking Number	
Driver Type	NA	Engine Manufacturer Date	
Engine Configuration	Inline	Number of Cylinders	6
Compression Ratio	10.5		
Rated rpm	1800	Min rpm	500
Max Horsepower @Sea Level	215	Max Derated Horsepower	201.42
Min Horsepower @Sea Level	65	Min Derated Horsepower	60.89
Fuel Requirements - Btu/HPhr	8911	Inlet Stream LHV - Btu/cft	993.15
Engine Timing - BTDC °	18.6	Air / Fuel Ratio	10.37
Max Boost - psig	0	Max Engine Exhaust Temp - °F	1136
Exhaust Flow - cfm	1165	Exhaust O2 %	2
Max Engine NOx - g/bhp-hr	28.44	Max Engine CO - g/bhp-hr	1.39
Max Engine CO2 - g/bhp-hr	741	Overall Exhaust dB @ 1.5m	107
Water Pump - HP	4.3	Other Auxiliary Draw - HP	0
Max Top End Overhaul Hours	15000	Max BTTM End Overhaul Hours	75000
Max Oil Change Hours	2000	Ambient Operating Temp - °F	60
Gear Ratio	1	Compressor rpm @ Rated Driver rpm	1800
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	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		1037 - Gadsby 06-16-39-19-W4M K200							
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	223	220	160	150
Fuel Gas	5	4	2	1.5	Fuel Gas	140	120	70	50
Intercooler					Intercooler				
Intake Manifold	29	28	26.8	13	Intake Manifold	147	97	92	70
					Exhaust Manifold	1292	1103	986	887
					Aux. Water	135	130	117	100
					Cylinder Deviation	75			



Manufacturer	Gemini	Model	H302
Serial Number	Unknown	Asset Tracking Number	
Manufacturer Date Frame		Stroke - inches	3
Number of Throws	3	Number of Stages	3
Unloader Type	None		
Rod Load Type	Internal		
Max Compression - lbs	10000	Max Tension - lbs	10000
Total Max Rod Load - lbs	20000		
Dynamic Max Compression - lbs	10000	Dynamic Max Tension - lbs	10000
Max Overhaul Hours	35000	Max Horsepower	200
Rated rpm	1800	Min rpm	900

Cylinder Setup 1037 - Gadsby 06-16-39-19-W4M K200			
Stage	1	2	3
Throw	1	2	2
Cylinder Model	H	H	H
Dummy Cylinder	No	No	No
Cylinder Serial #	680116-4	8152	Unknown
Cylinder MAWP - psig	500	1250	1250
Lube Status	Lube	Lube	Lube
Cylinder Action	DA	SAHETAN	SACETAN
Cylinder Diameter - inches	7.5	5.5	3.5
Rod Diameter - inches	1.125	1.125	1.125
Tail Rod Diameter - inches	0	0	0
Associated Gas Stream	Inlet Str.	Inlet Str.	Inlet Str.
Orifice Data			
Suct. Internal Pipe Diam. - inches	0	0	0
Suct. Orifice Diam. - inches	0	0	0
Disc. Internal Pipe Diam. - inches	0	0	0
Disc. Orifice Diam. - inches	0	0	0
Cylinder Heating/Cooling Factor 1037 - Gadsby 06-16-39-19-W4M K200			
Heating/Cooling Factor - %	0	0	0
Cylinder Blowby Thresholds 1037 - Gadsby 06-16-39-19-W4M K200			
SA Severe Threshold - %	20	20	20
SA Warning Threshold - %	12	12	12
DA Severe Threshold - %	20	20	20
DA Warning Threshold - %	12	12	12
Deviation Severe Threshold - %	1000	1000	1000
Deviation Warning Threshold - %	10	10	10

Valve Setup 1037 - Gadsby 06-16-39-19-W4M K200			
Stage	1	2	3
Throw	1	2	2
HE Suction Valve Resist VHDS	4.44	4.44	0
HE Suction Valve Quantity	2	1	0
HE Suction Valve Lift - inches	0.08	0.08	0
HE Suction Valve Area - sq. in .	3.41	2.623	0
HE Discharge Valve Resist VHDS	4.44	4.44	0
HE Discharge Valve Quantity	2	1	0
HE Discharge Valve Lift - inches	0.08	0.08	0
HE Discharge Valve Area - sq. in .	3.41	2.623	0
CE Suction Valve Resist VHDS	4.44	0	4.44
CE Suction Valve Quantity	2	0	1
CE Suction Valve Lift - inches	0.08	0	0.08
CE Suction Valve Area - sq. in.	3.41	0	1.597
CE Discharge Valve Resist VHDS	4.44	0	4.44
CE Discharge Valve Quantity	2	0	1
CE Discharge Valve Lift - inches	0.08	0	0.08
CE Discharge Valve Area - sq. in .	3.41	0	1.597
Suction Valve Manufacturer			
Suction Valve Model			
Suction Valve Type			
Discharge Valve Manufacturer			

Discharge Valve Model						
Discharge Valve Type						

Clearance Setup 1037 - Gadsby 06-16-39-19-W4M K200						
Stage	1	2	3			
Throw	1	2	2			
HE Clearance Min - %	16.5	16.2	0.01			
HE Clearance Max - %	104.92	150.35	0.01			
Max Pocket Travel - inches	3.04	4.87	0			
HE Spacers Max Quantity	4	2	0			
HE Clearance per Spacer - %	4.77	2.89	0			
CE Clearance Min - %	16.9	0.01	20.23			
CE Clearance Max - %	16.9	0.01	20.23			
CE Spacers Max Quantity	4	0	0			
CE Clearance per Spacer - %	4.88	0	0			

Reciprocating Setup 1037 - Gadsby 06-16-39-19-W4M K200						
Stage	1	2	3			
Throw	1	2	2			
Con. Rod Length - inches	8.5	8.5	8.5			
1/3 Con Rod Weights - lbs.	5.03	5.03	5.03			
Crosshead Pin Weight - lbs.	0	0	0			
Piston Weight - lbs.	42.3	21.8	21.44			
Rod Weight - lbs.	0	0	0			
Crosshead Weight - lbs.	14.59	14.59	14.59			
Balance Weight Added - lbs.	0	20.5	20.9			
Total Weight - lbs.	61.92	61.92	61.96			



**Aerial Cooler Setup 1037 - Gadsby 06-16-39-19-W4M K200**

Manufacturer	Air-X-Changer	Model	60VI
Serial Number	934159	Horsepower Draw	8.6
Coolant Type		Rated RPM	
Blade RPM		Blade Diameter	
Electricity Draw			

Stage	1	2	3			
Design Pressure MAWP - psig	1290	645	1290			
Required Temperature Out - °F	120	120	120			
Estimated Pressure Drop - psig	5	5	5			
Max Design Temperature - °F	300	300	300			
# of Passes/Section						
# of Tubes/Section						
# of Rows						
Tube O.D. - inches						
Tube Gauge						
Tube I.D. - inches						
Length of Tubes - feet						
Tube Material - feet						
Corrosion Allowance - inches						
Fouling Factor						
Ambient Air Design Temp - °F						

**Design Conditions Setup 1037 - Gadsby 06-16-39-19-W4M K200**

Stage	1	2	3			
PSV Setting - psig	280	645	1250			
Max Discharge Valve Temp - °F	299.99	299.99	299.99			
Piping/Bottles Max Temp - °F	300	300	300			
Discharge Piping/Bottles MAWP - psig						

**Reporting Compliance 1037 - Gadsby 06-16-39-19-W4M K200**

Set Expected Interval	No
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**Linked Modules 1037 - Gadsby 06-16-39-19-W4M K200**

Links to related asset modules.

