

Module Setup 293 - Rich 08-26-35-22-W4M G3304NA			
Detection Number	293	Asset Name	Rich 08-26-35-22-W4M G3304NA
Client Asset #	293	Asset Location	08-26-35-22-W4M
Asset Type	Screw	Recipient Location	
Latitude	52.0320811	Elevation - fast	2913.4
Longitude	-113.0319221	Time Zone	America/Edmonton
Area	CBM East	Field	Rich
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	5040114		
Eub License Num		Environmental Registration #	
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
Setup Date	1/12/2015	Setup Fee	Setup Fee # 1
		Enalysis Fee	Enalysis 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	Surplus per Jennifer Bryson July 25 2019 - DA		

Stream Name	Generic Inlet Stream	Fuel Gas	
Stream Type	Inlet Stream	Fuel Gas	
Sample Date	02/11/2015	06/11/2015	
Hydrogen	0.0000	0.0000	
Helium	0.0000	0.0001	
Nitrogen	0.0082	0.0066	
Carbon Dioxide	0.0020	0.0034	
Hydrogen Sulfide	0.0000	0.0000	
Methane	0.9853	0.9822	
Ethane	0.0041	0.0070	
Propane	0.0004	0.0006	
ISO Butane	0.0000	0.0001	
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	0.71	
Specific Gravity	0.562	0.564	
Dehydrated Gas	Yes	Yes	
Temperature Base - °F	60	60	
Pressure Base - psia	14.696	14.696	

Driver Setup 293 - Rich 08-26-35-22-W4M G3304NA

Manufacturer	Caterpillar	Model	G3304NA
Serial Number	N4F00782	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	1100
Max Horsepower @Sea Level	95	Max Derated Horsepower	90
Min Horsepower @Sea Level	58	Min Derated Horsepower	55
Fuel Requirements - Btu/HPhr	7943	Inlet Stream LHV - Btu/cft	906.23
Engine Timing - BTDC °	30	Air / Fuel Ratio	9.47
Max Boost - psig	0	Max Engine Exhaust Temp - °F	1083
Exhaust Flow - cfm	423	Exhaust O2 %	0.5
Max Engine NOx - g/bhp-hr	12.63	Max Engine CO - g/bhp-hr	12.63
Max Engine CO2 - g/bhp-hr	496	Overall Exhaust dB @ 1.5m	110
Water Pump - HP	1.9	Other Auxiliary Draw - HP	0
Max Top End Overhaul Hours	24000	Max BTTM End Overhaul Hours	48000
Max Oil Change Hours	1250	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	1	Stroke Type	
Burn Type		Burn Type Effective Date	
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	

Engine Flags Setup 293 - Rich 08-26-35-22-W4M G3304NA

Pressure - psig	High	High	Low	Low	Temperature - °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			

Manufacturer	Gardner-Denver	Model	SSPG99D
Frame Type	Helical	Profile	Asymmetric
Serial Number	S172498	Asset Tracking Number	
Manufacturer Date Frame			
Male Rotor Diameter (m)	0.226	Vi Setting Type	Variable4
Male Rotor Length (m)	0.38608	Vi Setting Low	1.2
Gap Size (inches)	0.003	Vi Setting Medium	2.2
		Vi Setting Medium2	3
Max Frame Discharge Temperature (°F)	250	Vi Setting High	5.2
Max Suction Pressure (psig)	50	Vi Setting Fixed	
Max Discharge Pressure (psig)	375	Vi Theory	Vi Reduces with Slide Valve
Max Compressor Speed (rpm)	2945	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	Unknown	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	
SV ¹	1	1.2	1
SV ²	0	2.2	1
SV ³	0	3	1
SV ⁴	0	5.2	1
SV ⁵	0		
SV ⁶	0		

Aerial Cooler Setup 293 - Rich 08-26-35-22-W4M G3304NA

Manufacturer	Unknown	Model	Unknown
Serial Number		Horsepower Draw	3.8
Coolant Type		Rated RPM	0
Blade RPM		Blade Diameter	
Electricity Draw			
Design Pressure MAWP - psig	375.99	Required Temperature Out - °F	120
Estimated Pressure Drop - psig	5	Max Design Temperature - °F	299.99
# 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 293 - Rich 08-26-35-22-W4M G3304NA

Set Expected Interval	No
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Group Assignment	
Group Designation	Group Effective Date
Designated to Subset	Subset Effective Date
Low Use	Low Use Effective Date
Engine Registration Type	
Engine Properties	
Burn Type	Burn Type Effective Date
Stroke Type	
Emission Control Systems Type	Emission Control Systems Type if Other
Emission control systems before or on March 31, 2020?	Emission Control Systems Effective Date
Module Properties	
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
Has sample port	Sample port description
Sample port required equipment	
NOx Assignment	
NOx Emission Type	NOx Value
NOx Unit of Measure	NOx Effective Date
Schedule Preference	
Facility Assignment	
Facility	Facility Effective Date
Additional Responsible Persons Assignment	
Registration Dates	
Registered Date	Last Updated Date

Linked Modules 293 - Rich 08-26-35-22-W4M G3304NA

Links to related asset modules.



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