

Module Setup 212 - Ferintosh 06-21-43-21-W4M			
Detection Number	212	Asset Name	Ferintosh 06-21-43-21-W4M
Client Asset #	212	Asset Location	06-21-43-21-W4M
Asset Type	Screw	Recipient Location	
Latitude	52.7178018	Elevation - fast	2614.8
Longitude	-112.9943726	Time Zone	America/Edmonton
Area	CBM North	Field	Ferintosh
Foreman	Scott Gamble		
Operator		Province/State	Alberta
Packager Name	Air and Gas Compression	Package Serial #	2135
Package Manufacturer Date			
Noise Suppression Installed		Asset Sound Level (dB)	0
Noise Suppression Description			
Cost Center Code	3200409		
Asset Properties			
Gas Working Interest %	100	Gas Pricing - \$/mscf	3
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	5/6/2014	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	212		
Reason Unit is not Operating	As per D.Laye Jan 2015		

Gas Analysis 212 - Ferintosh 06-21-43-21-W4M

Stream Name	Generic Inlet Gas	Generic Fuel
Stream Type	Inlet Stream	Fuel Gas
Sample Date	05/14/2014	05/14/2014
Hydrogen	0.0000	0.0000
Helium	0.0002	0.0002
Nitrogen	0.0139	0.0139
Carbon Dioxide	0.0036	0.0036
Hydrogen Sulfide	0.0000	0.0000
Methane	0.9679	0.9679
Ethane	0.0098	0.0098
Propane	0.0021	0.0021
ISO Butane	0.0010	0.0010
Normal Butane	0.0005	0.0005
ISO Pentane	0.0002	0.0002
Normal Pentane	0.0001	0.0001
Hexane	0.0001	0.0001
Heptane	0.0006	0.0006
Octane	0.0000	0.0000
Oxygen	0.0000	0.0000
Ammonia	0.0000	0.0000
Water	0.0000	0.0000
Pseudo Critical Temperature Adjustment	0.74	0.74
Specific Gravity	0.575	0.575
Dehydrated Gas	Yes	Yes
Temperature Base - °F	60	60
Pressure Base - psia	14.696	14.696

Driver Setup 212 - Ferintosh 06-21-43-21-W4M

Manufacturer	Cummins	Model	G8.3C
Serial Number	46448804	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	1000
Max Horsepower @Sea Level	99	Max Derated Horsepower	94
Min Horsepower @Sea Level	50	Min Derated Horsepower	47.5
Fuel Requirements - Btu/HPhr	8258	Inlet Stream LHV - Btu/cft	910.05
Engine Timing - BTDC °	26	Air / Fuel Ratio	16.62
Max Boost - psig	0	Max Engine Exhaust Temp - °F	1063
Exhaust Flow - cfm	424	Exhaust O2 %	0.55
Max Engine NOx - g/bhp-hr	14	Max Engine CO - g/bhp-hr	8.8
Max Engine CO2 - g/bhp-hr	476	Overall Exhaust dB @ 1.5m	0
Water Pump - HP	1.98	Other Auxiliary Draw - HP	0
Max Top End Overhaul Hours	40000	Max BTTM End Overhaul Hours	80000
Max Oil Change Hours	3000	Ambient Operating Temp - °F	60
Gear Ratio	1	Compressor rpm @ Rated Driver rpm	1800
Intake Valve Recession Limit	0	Exhaust Valve Recession Limit	0
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 212 - Ferintosh 06-21-43-21-W4M

Pressure - psig	High	High	Low	Low	Temperature - °F	High	High	Low	Low
Oil Header	90	70	50	30	Oil Header	225	220	180	160
Jacket	35	32	10	7	Jacket	200	190	180	160
Fuel Gas	1	1	0	0	Fuel Gas	90	75	45	30
Intercooler					Intercooler	130	120	110	100
Intake Manifold					Intake Manifold				
					Exhaust Manifold				
					Aux. Water	130	120	110	100
					Cylinder Deviation	75			

Manufacturer	Tamrotor	Model	E25DG
Frame Type	Helical	Profile	Asymmetric
Serial Number	FE025011455	Asset Tracking Number	
Manufacturer Date Frame			
Male Rotor Diameter (m)	0.155	Vi Setting Type	Fixed
Male Rotor Length (m)	0.234	Vi Setting Low	
Gap Size (inches)	0.003	Vi Setting Medium	
Max Frame Discharge Temperature (°F)	225	Vi Setting High	
Max Suction Pressure (psig)	76	Vi Setting Fixed	4.4
Max Discharge Pressure (psig)	205	Vi Theory	Vi is Fixed
Max Compressor Speed (rpm)	5500	Configuration (Male x Female)	4 x 6
Max Compressor Overhaul Hours	60000	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	SAE10W	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	
Constant	0	Vi	Efficiency Factors
SV ¹	1	4.4	1
SV ²	0		
SV ³	0		
SV ⁴	0		
SV ⁵	0		
SV ⁶	0		

Aerial Cooler Setup 212 - Ferintosh 06-21-43-21-W4M

Manufacturer	Unknown	Model	Unknown
Serial Number		Horsepower Draw	0
Coolant Type		Rated RPM	0
Blade RPM		Blade Diameter	
Electricity Draw			
Design Pressure MAWP - psig	0	Required Temperature Out - °F	0
Estimated Pressure Drop - psig	0	Max Design Temperature - °F	0
# 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 212 - Ferintosh 06-21-43-21-W4M

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

Linked Modules 212 - Ferintosh 06-21-43-21-W4M

Links to related asset modules.

