Module Setup 165 - Nevis 06-08-41-21-W4M K200			
Detechtion Number	165	Asset Name	Nevis 06-08-41-21-W4M K200
Client Asset #	165	Asset Location	06-08-41-21-W4M
Asset Type	Screw	Recipient Location	
Latitude	52.510524	Elevation - fasl	2608
Longitude	-112.991828	Time Zone	Canada/Mountain
Area	Clive/Bashaw	Field	Nevis
Foreman	Todd Roper		
Operator		Province/State	Alberta
Packager Name	Jiro	Package Serial #	9006
Package Manufacturer Date			
Noise Suppression Installed		Asset Sound Level (dB)	0
Noise Suppression Description			
Cost Center Code	3100468		
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
		Enalysis Fee	Enalysis Fee # 1
Active Status	Surplus	Using Maintenance	Yes
Surplus Condition	Unknown		
Stand-by	No	Using SCADA	Yes
Remote Asset ID	165		
Reason Unit is not Operating	Shut in as per D.Laye Mar 2015		

Gas Analysis Setup 165 - Nevis 06-08-41-21-W4M K200			
Gas	MOL Fraction	Gas	MOL Fraction
Hydrogen	0	Normal Butane	0
Helium	0.0002	ISO Pentane	0
Nitrogen	0.0127	Normal Pentane	0
Carbon Dioxide	0.001	Hexane	0
Hydrogen Sulfide	0	Heptane	0
Methane	0.9821	Octane	0
Ethane	0.0037	Oxygen	0
Propane	0.0003	Ammonia	0
ISO Butane	0	Water	0
Total MOL Fraction	1	Pseudo Critical Temperature Adjustment	0.24
Temperature Base - ^{o}F	60	Pressure Base - psia	14.696
Stream Name	Sales Gas	Stream Type	Inlet Stream
Dehydrated Gas	Yes	Sample Date	01/09/2009
Sort Order	1		
Date of Entry	1/9/2009		

Driver Setup	165 - Nevis 06-08-41-21-W4M K200		
Manufacturer	Cummins	Model	GTA12
Serial Number	No Tag	Asset Tracking Number	
Driver Type	Turbo	Engine Manufacturer Date	
Engine Configuration	Inline	Number of Cylinders	6
Compression Ratio	8.5		
Rated rpm	1800	Min rpm	1200
Max Horsepower @Sea Level	240	Max Derated Horsepower	240
Min Horsepower @Sea Level	167	Min Derated Horsepower	167
Fuel Requirements - Btu/HPhr	7598	Inlet Stream LHV - Btu/cft	900
Engine Timing - BTDC °	10.99	Air / Fuel Ratio	17
Max Boost - psig	0	Max Engine Exhaust Temp - ^{o}F	1140
Exhaust Flow - cfm	1638	Exhaust O2 %	2.95
Max Engine NOx - g/bhp-hr	18.62	Max Engine CO - g/bhp-hr	4.94
Max Engine CO2 - g/bhp-hr	8.5	Overall Exhaust dB @ 1.5m	100.99
Water Pump - HP	4.8	Other Auxiliary Draw - HP	0
Max Top End Overhaul Hours	40000	Max BTTM End Overhaul Hours	80000
Max Oil Change Hours	2000	Ambient Operating Temp - ^{o}F	60
Gear Ratio	1.464	Compressor rpm @ Rated Driver rpm	2635.2
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	165 - Nevis 06-08-41-21-W4M K200								
Pressure - psig	High	High	Low	Low	Temperature - ^{o}F	High	High	Low	Low
Oil Header	90	70	50	30	Oil Header	225	220	180	160
Jacket	35	32	10	7	Jacket	200	195	175	160
Fuel Gas	1	1	0	0	Fuel Gas	90	75	45	30
Intercooler	30	27	10	7	Intercooler	130	120	110	100
Intake Manifold	7	6.4	5.5	5	Intake Manifold	115	100	0	-20
					Exhaust Manifold	1350	1280	1215	1080
					Aux. Water	130	120	110	100
					Cylinder Deviation	75			

Frame Setup 165 - Nevis 06-08-41-21-W4M K200			
Manufacturer	LeRoi	Model	A219-222-2 GPI
Frame Type	Helical	Profile	Asymmetric
Serial Number	5257X151	Asset Tracking Number	
Manufacturer Date Frame			
Male Rotor Diameter (m)	0.245	Vi Setting Type	Fixed
Male Rotor Length (m)	0.40425	Vi Setting Low	
Gap Size (inches)	0.003	Vi Setting Medium	
Max Frame Discharge Temperature (^{O}F)	230	Vi Setting High	
Max Suction Pressure (psig)	50	Vi Setting Fixed	3
Max Discharge Pressure (psig)	250	Vi Theory	Vi is Fixed
Max Compressor Speed (rpm)	3600	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)	54	Oil Specific Heat(Btu / LB^{O}F)	0.48
Oil Type	Unknown	Oil Pump HP	5
Max Coalescing Filter Differential (psig)	15	Max Oil Injection Temperature (^{O}F)	170
Max Oil Filter Differential (psig)	10	Max Oil Discharge Temperature (^{O}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	
Vi	Efficiency Factors
3	1

Aerial Cooler Setup 165 - Nevis 06-08-41-21-W4M K200			
Manufacturer	Heat Exchangers International	Model	ACOC-2500-C
Serial Number	X14170	Horsepower Draw	9.6
Coolant Type		Rated RPM	
Blade RPM		Blade Diameter	
Electricity Draw			
Design Pressure MAWP - psig	250	Required Temperature Out - ^{O}F	120
Estimated Pressure Drop - psig	5	Max Design Temperature - ^{O}F	350
# of Passes/Section		Corrosion Allowance - inches	
# of Tubes/Section		Fouling Factor	
# of Rows		Ambient Air Design Temp - ^{O}F	
Tube O.D. - inches		Tube I.D. - inches	
Tube Gauge		Length of Tubes - feet	
Tube Material			

Reporting Compliance 165 - Nevis 06-08-41-21-W4M K200	
Set Expected Interval	No

Linked Modules 165 - Nevis 06-08-41-21-W4M K200
Links to related asset modules.