

Module Setup 3355 - Peggo d-83-C K-1000			
Detection Number	3355	Asset Name	Peggo d-83-C K-1000
Client Asset #	3355	Asset Location	d-83-C/94-P-08
Asset Type	Recip	Recipient Location	
Latitude	59.322917	Elevation - fasl	1479.7
Longitude	-120.278125	Time Zone	America/Vancouver
Area	Fort St. John Central	Field	3154 - Midwinter
Foreman	Scott Levins		
Operator	Kelly Batten	Province/State	British Columbia
Packager Name	Enerflex	Package Serial #	05528
Package Manufacturer Date			
Noise Suppression Installed		Asset Sound Level (dB)	0
Noise Suppression Description			
Cost Center Code	80043423		
Eub License Num		Environmental Registration #	
Asset Properties			
Gas Working Interest %	100	Gas Pricing - \$/mscf	2.18
Skid Type	Housed	Electricity Pricing - \$/kWh	0.09
Oil Pricing - (\$/bbl)	60	NGL Pricing - (\$/bbl)	13
NGL Production - (bbl/MMSCF)		Oil Production - (bbl/day)	
NGL Energy Density - (MMBtu/bbl)	4		
Optimization Limit	Not Reviewed	Sour Service	No
Asset Application	Gathering		
Ownership Status	Owned	Vibration Planes	1
Disable HP Savings CFR Due To Bypass	No		
Setup Date	11/18/2016	Setup Fee	Setup Fee # 2
		Enalysis Fee	Enalysis Fee # 1
Active Status	Surplus	Using Maintenance	No
Surplus Condition	Unknown		
Stand-by	Yes	Using SCADA	Yes
Remote Asset ID			
Reason Unit is not Operating	Set to surplus as per Amy Mickens April 2023 - BN		

Gas Analysis 3355 - Peggo d-83-C K-1000			
Stream Name	Inlet Stream	Fuel Gas	
Stream Type	Inlet Stream	Fuel Gas	
Sample Date	06/10/2020	01/31/2023	
Hydrogen	0.0008	0.0001	
Helium	0.0007	0.0008	
Nitrogen	0.0184	0.0183	
Carbon Dioxide	0.0170	0.0161	
Hydrogen Sulfide	0.0000	0.0000	
Methane	0.9337	0.9161	
Ethane	0.0109	0.0202	
Propane	0.0049	0.0099	
ISO Butane	0.0025	0.0034	
Normal Butane	0.0028	0.0044	
ISO Pentane	0.0024	0.0031	
Normal Pentane	0.0017	0.0026	
Hexane	0.0025	0.0033	
Heptane	0.0017	0.0017	
Octane	0.0000	0.0000	
Oxygen	0.0000	0.0000	
Ammonia	0.0000	0.0000	
Water	0.0000	0.0000	
Pseudo Critical Temperature Adjustment	2.89	2.76	
Specific Gravity	0.614	0.631	
Dehydrated Gas	Yes	Yes	
Temperature Base - °F	60	60	
Pressure Base - psia	14.696	14.696	
Critical Control ID	3355I	3355F	

Driver Setup 3355 - Peggo d-83-C K-1000			
Manufacturer	Waukesha	Model	L5794LT
Serial Number	C-14022/1	Asset Tracking Number	
Driver Type	Turbo	Engine Manufacturer Date	
Engine Configuration	V	Number of Cylinders	12
Compression Ratio	10		
Rated rpm	1200	Min rpm	1000
Max Horsepower @Sea Level	1445	Max Derated Horsepower	1445
Min Horsepower @Sea Level	1205	Min Derated Horsepower	1205
Fuel Requirements - Btu/hphr	7427	Inlet Stream LHV - Btu/ft³	956.5
Engine Timing - BTDC °	20	Air / Fuel Ratio	13.5
Max Boost - psig	14.28	Max Engine Exhaust Temp - °F	878
Exhaust Flow - cfm	8022	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	442.29	Overall Exhaust dB @ 1.5m	109
Water Pump - hp	28.9	Other Auxiliary Draw - hp	0
Max Top End Overhaul Hours	8000	Max BTTM End Overhaul Hours	17000
Max Oil Change Hours	2000	Ambient Operating Temp - °F	60
Gear Ratio	1	Compressor rpm @ Rated Driver rpm	1200
Intake Valve Recession Limit	0.06	Exhaust Valve Recession Limit	0.06
Valves per Cylinder	2	Stroke Type	Four Stroke
Burn Type	Lean Burn	Burn Type Effective Date	06/17/2016
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	

Engine Flags Setup 3355 - Peggo d-83-C K-1000									
Pressure - psig	High	High	Low	Low	Temperature - °F	High	High	Low	Low
Oil Header	75	63	35	30	Oil Header	205	195	170	140
Jacket	21.7	18	7	2.5	Jacket	200	190	170	150
Fuel Gas	65	60	50	43	Fuel Gas	140	130	-10	-20
Intercooler	21.7	18	7	2.5	Intercooler	150	137	124	110
Intake Manifold	18	16	13	10	Intake Manifold	150	145	130	110
					Exhaust Manifold	990	941	841	755
					Aux. Water	140	130	120	100
					Cylinder Deviation	75			

Frame Setup 3355 - Peggo d-83-C K-1000			
Manufacturer	Ariel	Model	JGT/4
Serial Number	F-17700	Asset Tracking Number	
Manufacturer Date Frame		Stroke - inches	4.5
Number of Throws	3	Number of Stages	1
Unloader Type	None		
Rod Load Type	Internal		
Max Compression - lbs	40000	Max Tension - lbs	37000
Total Max Rod Load - lbs	74000		
Dynamic Max Compression - lbs	72000	Dynamic Max Tension - lbs	72000
Max Overhaul Hours	35000	Max Horsepower	2600
Rated rpm	1200	Min rpm	750

Cylinder Setup		3355 - Peggo d-83-C K-1000					
Stage	1	1	1				
Throw	2	4	3				
Cylinder Model	10-3/8TL	10-3/8TL	7-1/4T				
Dummy Cylinder	No	No	No				
Cylinder Serial #	C-54719	C-54718	C-37899				
Cylinder MAWP - psig	1900	1900	1900				
Lube Status	Lube	Lube	Lube				
Cylinder Action	DA	DA	DA				
Cylinder Diameter - inches	10.375	10.375	6.75				
Rod Diameter - inches	2	2	2				
Tail Rod Diameter - inches	0	0	0				
Associated Gas Stream	Inlet Stream	Inlet Stream	Inlet Stream				
Orifice Data							
Suct. Internal Pipe Diam. - inches	6.875	6.875	4.897				
Suct. Orifice Diam. - inches	3.15	3.15	3.15				
Disc. Internal Pipe Diam. - inches	6.875	6.875	4.897				
Disc. Orifice Diam. - inches	3.94	3.94	3.15				
Cylinder Heating/Cooling Factor		3355 - Peggo d-83-C K-1000					
Heating/Cooling Factor - %	0	0	0				
Cylinder Blowby Thresholds		3355 - Peggo d-83-C K-1000					
SA Severe Threshold - %	20	20	20				
SA Warning Threshold - %	12	12	12				
DA Severe Threshold - %	15	15	15				
DA Warning Threshold - %	7	7	7				
Deviation Severe Threshold - %	1000	1000	1000				
Deviation Warning Threshold - %	10	10	10				

Valve Setup		3355 - Peggo d-83-C K-1000					
Stage	1	1	1				
Throw	2	4	3				
HE Suction Valve Resist VHDS	4.44	4.44	4.44				
HE Suction Valve Quantity	2	2	2				
HE Suction Valve Lift - inches	0.102	0.102	0.102				
HE Suction Valve Area - sq. in .	9.07	9.07	2.4				
HE Discharge Valve Resist VHDS	4.44	4.44	4.44				
HE Discharge Valve Quantity	2	2	2				
HE Discharge Valve Lift - inches	0.102	0.102	0.087				
HE Discharge Valve Area - sq. in .	9.07	9.07	2.03				
CE Suction Valve Resist VHDS	4.44	4.44	4.44				
CE Suction Valve Quantity	2	2	2				
CE Suction Valve Lift - inches	0.102	0.102	0.102				
CE Suction Valve Area - sq. in.	9.07	9.07	2.4				
CE Discharge Valve Resist VHDS	4.44	4.44	4.44				
CE Discharge Valve Quantity	2	2	2				
CE Discharge Valve Lift - inches	0.102	0.102	0.087				
CE Discharge Valve Area - sq. in .	9.07	9.07	2.03				
Suction Valve Manufacturer							
Suction Valve Model							
Suction Valve Type							
Discharge Valve Manufacturer							

Discharge Valve Model						
Discharge Valve Type						

Clearance Setup 3355 - Peggo d-83-C K-1000						
Stage	1	1	1			
Throw	2	4	3			
HE Clearance Min - %	49.5	49.5	23			
HE Clearance Max - %	122.1	122.1	83.5			
Max Pocket Travel - inches	6.3	6.3	4.5			
HE Spacers Max Quantity	4	4	4			
HE Clearance per Spacer - %	5.7	5.7	4.2			
CE Clearance Min - %	51.9	51.9	25.9			
CE Clearance Max - %	51.9	51.9	25.9			
CE Spacers Max Quantity	4	4	4			
CE Clearance per Spacer - %	6	6	4.6			

Reciprocating Setup 3355 - Peggo d-83-C K-1000						
Stage	1	1	1			
Throw	2	4	3			
Con. Rod Length - inches	13.75	13.75	13.75			
1/3 Con Rod Weights - lbs.	31.43	31.43	31.43			
Crosshead Pin Weight - lbs.	0	0	0			
Piston Weight - lbs.	230.8	230.8	111.58			
Rod Weight - lbs.	0	0	0			
Crosshead Weight - lbs.	76.5	76.5	154.4			
Balance Weight Added - lbs.	29.9	10.1	49.4			
Total Weight - lbs.	368.63	348.83	346.81			

Aerial Cooler Setup 3355 - Peggo d-83-C K-1000			
Manufacturer	Air-X-Changer	Model	156EH
Serial Number	012781	Horsepower Draw	57.8
Coolant Type		Rated RPM	
Blade RPM		Blade Diameter	
Electricity Draw			

Stage	1					
Design Pressure MAWP - psig	1690					
Required Temperature Out - °F	120					
Estimated Pressure Drop - psig	5					
Max Design Temperature - °F	350					
# 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 3355 - Peggo d-83-C K-1000						
Stage	1					
PSV Setting - psig	1690					
Max Discharge Valve Temp - °F	300					
Piping/Bottles Max Temp - °F	350					
Discharge Piping/Bottles MAWP - psig						

Reporting Compliance 3355 - Peggo d-83-C K-1000	
Set Expected Interval	No

Group Assignment

Group Designation	Added to Group	Group Effective Date	03/05/2020
Designated to Subset		Subset Effective Date	
Low Use		Low Use Effective Date	
Engine Registration Type	Pre-Existing		

Engine Properties

Burn Type	Lean Burn	Burn Type Effective Date	06/17/2016
Stroke Type	Four Stroke		
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	2016	Company Role	Both
If Owner, owned before 2016-06-17?	No	Date of ownership if on or after June 17, 2016	11/18/2016
Internal ID	3355		
Requesting unique identifier?	No	Reason for requesting unique identifier	
Unique Alphanumeric Identifier			
Records located at facility?	Yes	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	Midwinter d-83-C	Facility Effective Date	06/17/2016
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Additional Responsible Persons Assignment**Registration Dates**

Registered Date	04/01/2020	Last Updated Date	04/01/2020
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Linked Modules 3355 - Peggo d-83-C K-1000

Links to related asset modules.

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