

Module Setup 143 - Kelsey GP 06-13-44-18-W4M			
Detection Number	143	Asset Name	Kelsey GP 06-13-44-18-W4M
Client Asset #	143	Asset Location	06-13-44-18-W4M
Asset Type	Screw	Recipient Location	
Latitude	52.78875	Elevation - fast	2338
Longitude	-112.483491	Time Zone	America/Edmonton
Area	CBM East	Field	Rosalind
Foreman	Scott Schell		
Operator		Province/State	Alberta
Packager Name	Toromont	Package Serial #	11002
Package Manufacturer Date			
Noise Suppression Installed		Asset Sound Level (dB)	0
Noise Suppression Description			
Cost Center Code	4270049		
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	11/5/2012	Setup Fee	Setup Fee # 2
		Analysis Fee	Analysis Fee # 1
Active Status	Surplus	Using Maintenance	Yes
Surplus Condition	Unknown		
Stand-by	No	Using SCADA	Yes
Remote Asset ID	143		
Reason Unit is not Operating	Shut in as per D.Laye Mar 2015, stored at Tryson Trucking		

Stream Name	Inlet Str.	Fuel Gas
Stream Type	Inlet Stream	Fuel Gas
Sample Date	03/15/2007	03/15/2007
Hydrogen	0.0000	0.0000
Helium	0.0005	0.0005
Nitrogen	0.0309	0.0309
Carbon Dioxide	0.0064	0.0064
Hydrogen Sulfide	0.0000	0.0000
Methane	0.9294	0.9294
Ethane	0.0192	0.0192
Propane	0.0068	0.0068
ISO Butane	0.0017	0.0017
Normal Butane	0.0023	0.0023
ISO Pentane	0.0008	0.0008
Normal Pentane	0.0007	0.0007
Hexane	0.0006	0.0006
Heptane	0.0007	0.0007
Octane	0.0000	0.0000
Oxygen	0.0000	0.0000
Ammonia	0.0000	0.0000
Water	0.0000	0.0000
Pseudo Critical Temperature Adjustment	1.24	1.24
Specific Gravity	0.601	0.601
Dehydrated Gas	No	Yes
Temperature Base - °F	60	60
Pressure Base - psia	14.696	14.696

Driver Setup 143 - Kelsey GP 06-13-44-18-W4M

Manufacturer	Caterpillar	Model	G3306TA
Serial Number	07Y09066	Asset Tracking Number	
Driver Type	Turbo	Engine Manufacturer Date	
Engine Configuration	Inline	Number of Cylinders	6
Compression Ratio	8		
Rated rpm	1800	Min rpm	900
Max Horsepower @Sea Level	203	Max Derated Horsepower	200.58
Min Horsepower @Sea Level	100	Min Derated Horsepower	98.81
Fuel Requirements - Btu/HPhr	7974	Inlet Stream LHV - Btu/cft	915.81
Engine Timing - BTDC °	35	Air / Fuel Ratio	10.55
Max Boost - psig	5.55	Max Engine Exhaust Temp - °F	997
Exhaust Flow - cfm	907	Exhaust O2 %	1.86
Max Engine NOx - g/bhp-hr	23.18	Max Engine CO - g/bhp-hr	0.67
Max Engine CO2 - g/bhp-hr	0	Overall Exhaust dB @ 1.5m	102
Water Pump - HP	4.06	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	1800
Intake Valve Recession Limit	0.09	Exhaust Valve Recession Limit	0.09
Valves per Cylinder	1	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 143 - Kelsey GP 06-13-44-18-W4M

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	24.9	20	15	12	Fuel Gas	140	120	70	50
Intercooler	8	7	4	3	Intercooler	150	142	128	120
Intake Manifold	41	40	39.1	20	Intake Manifold	147	142	135	100
					Exhaust Manifold	1292	1067	950	855
					Aux. Water	135	130	117	100
					Cylinder Deviation	75			

Manufacturer	Frick	Model	TDSH233S
Frame Type	Helical	Profile	Asymmetric
Serial Number	2903EZ	Asset Tracking Number	
Manufacturer Date Frame			
Male Rotor Diameter (m)	0.233	Vi Setting Type	Variable
Male Rotor Length (m)	0.31222	Vi Setting Low	2.2
Gap Size (inches)	0.003	Vi Setting Medium	3.5
Max Frame Discharge Temperature (°F)	250	Vi Setting High	5
Max Suction Pressure (psig)	135	Vi Setting Fixed	
Max Discharge Pressure (psig)	375	Vi Theory	Vi Reduces with Slide Valve
Max Compressor Speed (rpm)	4500	Configuration (Male x Female)	4 x 6
Max Compressor Overhaul Hours	35000	Balance Piston Diameter (mm)	0
Minimum Slide Valve Position -%	10	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		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	2.2	1
SV ²	0	3.5	1
SV ³	0	5	1
SV ⁴	0		
SV ⁵	0		
SV ⁶	0		

Aerial Cooler Setup 143 - Kelsey GP 06-13-44-18-W4M

Manufacturer	Air Cooled Exchangers Inc	Model	J3B
Serial Number	02253	Horsepower Draw	8.12
Coolant Type		Rated RPM	
Blade RPM		Blade Diameter	
Electricity Draw			
Design Pressure MAWP - psig	400	Required Temperature Out - °F	120
Estimated Pressure Drop - psig	5	Max Design Temperature - °F	350
# 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 143 - Kelsey GP 06-13-44-18-W4M

Set Expected Interval	No
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Linked Modules 143 - Kelsey GP 06-13-44-18-W4M

Links to related asset modules.



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