

Container Identification
PB11C

Operator Name
ENCANA CORPORATION

Laboratory Number
14OF835566C

Unique Well Identifier	Well Name
104/03-15-079-17W6/00	ECA CRP Hz SUNRISE E3-21-79-17

Field or Area	Pool or Zone	Sampler's Company
SUNRISE	MONTNEY	AGAT/FORT ST. JOHN

Well License	Elevation	Test Type	Test No.	Name of Sampler
29387	KB m 784.40 GRD m 778.60			TH

Test Interval or Perfs mKB	Sampling Point	Separator	Reservoir	Source	Sampled	Received
2560.00-4304.80	TEST VESSEL	Pressure (kPa)				
		Temperature				

Date Sampled	Date Received	Date Analyzed	Date Reported	Location - Approved By - Title
May 02, 2014	May 02, 2014	May 07, 2014	May 07, 2014	Calgary - Valentina Strelnikova - Supervisor

Other Information
SFC: E2-21-79-17W6;TAKEN @18:00HRS

* Results relate only to the items tested

Sample Properties

Colour of Clean Oil	Colour Number ASTM D-1500
Colorless	L0.5 A.S.T.M.

B.S. & W. (Volume Fraction) ASTM D-4007

Water	Sediment	Total
Trace	Trace	Trace
Free Water		
6.50 vol %		

Density - After Cleaning ASTM D-5002

API Gravity @ 15°C	Relative	Absolute (kg/m³)
59.90	0.7393	738.7

Total Sulphur Mass Fraction (ASTM D-4294)	Pour Point (°C) (ASTM D5853)
0.00002	<-51

Viscosity ASTM D-445/ASTM D-4072

Temp °C	Absolute (mPa*s)	Kinematic (mm²/s)
15	0.67	0.91
25	0.56	0.77
35	0.50	0.70

Distillation - ASTM D86

Volume Fraction	Temp (°C)
0.05	39.9
0.10	68.3
0.15	81.5
0.20	92.0
0.25	105.4
0.30	111.2
0.35	116.3
0.40	121.1
0.45	126.0
0.50	131.3
0.55	136.9
0.60	143.7
0.65	151.8
0.70	161.0
0.75	171.5
0.80	184.6
0.85	200.4
0.90	221.8
0.95	253.3

Method
A.S.T.M. -D86*

Initial Boiling Point (°C)
39.9

Absolute Barometric Pressure (kPa)
88.8

Room Temp (°C)
23.0

Final Boiling Point (°C)	Characterization Factor
271.0	12.1

200 °C Naphtha
0.85

275 °C Kerosene
0.13

Recovered
0.98

Distillation Loss
0.02

Other Comments:

BS&W was performed on oil portion only
The Distillation temperatures have been corrected to 101.3 kPa (Abs)

Note: When applicable, B.S.&W. analyses conducted with non-saturated Toluene and centrifuged at room temperature.