

Container Identification									
PB6C									
Operator Name						Laboratory Number			
ENCANA CORPORATION						13OF753968C			
Unique Well Identifier		Well Name							
06-02-080-17W6		ECA CRP Hz SUNRISE 6-2-80-17							
Field or Area			Pool or Zone			Sampler's Company			
			MONTNEY			AGAT			
Well License	Elevation			Test Type	Test No.	Name of Sampler			
26980	KB m	738.80	GRD m	733.40		MATT B			
Test Interval or Perfs mKB		Sampling Point			Separator	Reservoir	Source	Sampled	Received
2280.0 - 4703.6		TEST VESSEL			Pressure (kPa)				
mKB					Temperature				
Date Sampled	Date Received	Date Analyzed	Date Reported	Location - Approved By - Title					
Sep 02, 2013	Sep 03, 2013	Sep 10, 2013	Sep 10, 2013	Calgary - Valentina Strelnikova - Supervisor					
Other Information									
BHL:102/08-09-080-17W6/00									

* 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

Density - After Cleaning ASTM D-5002

API Gravity @ 15°C	Relative	Absolute (kg/m³)
60.63	0.7365	735.8

Total Sulphur Mass Fraction (ASTM D-4294)	Pour Point (°C) (ASTM D5853)
0.00013	<-51

Viscosity ASTM D-445/ASTM D-4072

Temp °C	Absolute (mPa*s)	Kinematic (mm²/s)
5	0.74	0.99
15	0.66	0.89
25	0.58	0.80

Other Comments:

The Distillation temperatures have been corrected to 101.3 KPa (abs)

Distillation - ASTM D86

Volume Fraction	Temp (°C)
0.05	55.5
0.10	68.6
0.15	80.5
0.20	90.8
0.25	100.1
0.30	108.7
0.35	116.7
0.40	124.3
0.45	132.2
0.50	140.6
0.55	150.6
0.60	163.5
0.65	179.2
0.70	194.9
0.75	212.7
0.80	234.0
0.85	260.2
0.90	295.8

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

Initial Boiling Point (°C)
31.0

Absolute Barometric Pressure (kPa)
89.6

Room Temp (°C)
23.0

Final Boiling Point (°C)	Characterization Factor
356.6	12.1

200 °C Naphtha
0.71

275 °C Kerosene
0.16

350 °C Light Gas Oil
0.11

Recovered
0.98

Distillation Loss
0.02

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