AGAT® Laboratories

OIL ANALYSIS

No flag set.

Container Identification
PB13

Operator Name	Laboratory Number
EOG RESOURCES CANADA INC.	11OS519882C

Unique Well Identifier	Well Name
100/03-34-001-28W1/00	WASKADA 1-33-3-34-1-28

Field or Area	Pool or Zone	Sampler's Company
WASKADA	NOT AVAILABLE	AGAT/ESTEVAN

Well License	Elevation	Test Type	Test No.	Name of Sampler
	KB m GRD m			

Test Interval or Perfs mKB		Sampling Point
		WELLHEAD TUBING

	Separator	Reservoir	Source	Sampled	Received
Pressure (kPa)					
Temperature					

Date Sampled	Date Received	Date Analyzed	Date Reported	Location - Approved By - Title
Aug 16, 2011	Aug 18, 2011	Aug 18, 2011	Aug 18, 2011	Calgary - Valentina Strelnikova - Supervisor

Other Information
SL: 01-33-001-28W1

** Results relate only to the items tested*

Note: Sampling Point, Unique Well Identifier and/or Pool or Zone information was unavailable at time of reporting. This information is integral to AGAT's WebFLUIDs, a comparison, history and trending analysis system.

Sample Properties

Colour of Clean Oil	Colour Number ASTM D-1500
Dk. Brown	D8 A.S.T.M.

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

Water	Sediment	Total
0.016	Trace	0.016

Free Water
36.70 vol %

Density - After Cleaning ASTM D-5002

API Gravity @ 15°C
36.04

Relative	Absolute (kg/m³)
0.8446	843.9

Total Sulphur Mass Fraction (ASTM D-4294)	Pour Point (°C) (ASTM D-97) (ASTM D5853)
0.00773	0

Viscosity ASTMD-445/ASTMD-4072

Temp °C	Absolute (mPa*s)	Kinematic (mm²/s)
15	8.69	10.30
25	5.27	6.29
38	3.78	4.57

Other Comments:

BS&W performed on oil portion only. The distillation temperatures have been corrected to 101.3 kPa (abs).

Distillation - ASTM D86

Volume Fraction	Temp (°C)
0.05	81.6
0.10	107.9
0.15	129.1
0.20	149.3
0.25	172.6
0.30	197.8
0.35	228.1
0.40	256.4
0.45	283.7
0.50	310.0
0.55	335.2

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

Initial Boiling Point (°C)
51.3

Absolute Barometric Pressure (kPa)
89.8

Room Temp (°C)
24.5

Final Boiling Point (°C)	Characterization Factor
356.5	11.9

200 °C Naphtha	275 °C Kerosene	350 °C Light Gas Oil
0.30	0.13	0.16

Recovered	Residue	Distillation Loss
0.61	0.38	0.01

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