

Bonny Light

Whole Crude Properties

Gravity, API°	35.30
Gravity SG	0.85
Sulfur, wt%	0.15
Total Nitrogen, ppm	1084.85
Acid Number, mg KOH/g	0.23
Pour Point, °C	-11.48
Charact. Factor (K-FACTOR)	11.72
Viscosity, cSt at 40°C (104°F)	3.28
Viscosity, cSt at 50°C (122°F)	2.73
Vanadium, ppm	0.44
Nickel, ppm	4.13
MCR, wt%	1.24
Ramsbottom Carbon, wt%	1.02
Asphaltenes, (H.C7) wt%	0.01

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SUMMARY OF MAJOR CUTS

	Whole Crude	Light Naphtha	Medium Naphtha	Heavy Naphtha	Kero	Atm Gas Oil	Light VGO	Heavy VGO	Vacuum Resid	Atm Resid
TBP Temp At Start, °C	Start	10	80	150	200	260	340	450	570	340
TBP Temp At End, °C	End	80	150	200	260	340	450	570	End	End
TBP Temp At Start, °F	Start	55	175	300	400	500	650	850	1050	650
TBP Temp At End, °F	End	175	300	400	500	650	850	1050	End	End
Yield at Start, vol%		2.2	8.6	25.9	35.4	48.2	68.5	87.2	95.3	68.5
Yield at End, vol%		8.6	25.9	35.4	48.2	68.5	87.2	95.3	100.0	100.0
Yield of Cut (wt% of Crude)		5.1	15.6	9.1	12.8	21.0	20.2	9.1	5.7	35.0
Yield of Cut (vol% of Crude)		6.5	17.2	9.5	12.8	20.4	18.7	8.1	4.7	31.5

[illegible]

Ramsbottom Carbon, wt%	1.0	16.4	2.9
Vanadium, ppm	0	8	1
Nickel, ppm	4	72	12
Iron, ppm	1	20	3

Date Assayed

07/02/2010