



Crude **DALIA**

Country Angola

TBP  
DISTILLATION

		Assay Date	09-Mar-15		°C	wt%	vol%	°C	wt%	vol%
			Density at 15°C, kg/m3	915.4			080	0.74	1.00	460
°API	23.0			090	0.98	1.30	480	60.65	63.32	
Bbl/mt	6.882			100	1.29	1.68	500	64.07	66.64	
Acidity, mg KOH/g	1.49			120	2.16	2.74	520	67.36	69.82	
Sulphur, wt%	0.508			140	3.44	4.24	540	70.50	72.83	
Hydrogen Sulphide, mg/kg	<1			160	5.15	6.22	560	73.47	75.68	
Mercaptan Sulphur, mg/kg	10			180	7.12	8.45	580	76.27	78.35	
Viscosity, cSt at 10 °C	224.0			200	9.00	10.54				
50 °C	27.6			220	11.18	12.91				
Pour Point, °C	-51			240	14.47	16.45				
Total Nitrogen, wt%	0.212			260	18.37	20.60				
Wax, wt%	-		wt%	vol%	280	22.28	24.71			
Wax Appearance Temperature, °C	-				300	26.13	28.73			
RVP at 37.8 °C, kPa	9	Ethane	0.00	0.00	320	30.00	32.72			
Water, vol%	-	Propane	0.00	0.00	340	33.92	36.74			
NaCl, mg/kg	-	Iso-Butane	0.00	0.01	360	37.89	40.77			
Nickel, mg/kg	21.3	n-Butane	0.02	0.03	380	41.87	44.78			
Vanadium, mg/kg	8.6				400	45.80	48.71			
Iron, mg/kg	-				420	49.66	52.55			
Mercury, µg/kg	-				440	53.43	56.27			

PROPERTIES OF TBP CUTS

Cuts	Yield	Yield	Den 15°C	S	RSH	RON	MON			Napht.	Aro.	RVP				
																°C
LIGHT NAPHTHA	15-65	0.38	0.52	672	0.0075	1	78.6	75.8		21.9	0.1	-				
	15-80	0.64	0.85	690	0.0079	3	76.9	73.7		36.8	0.4	-				
HEAVY NAPHTHA	80-150	3.51	4.18	768	0.0154	8				74.0	3.2					
	80-175	5.89	6.89	782	0.0215	9				71.9	5.1					
	100-150	2.95	3.50	774	0.0165	8				74.1	3.7					
KEROSENE	150-230	8.44	9.36	826	0.051	10	22	0.49	31.0	-83		12.0	1.2		57.5	
	175-230	6.07	6.65	835	0.059	10	21	0.64	31.5	-79		13.7	1.3		70.4	
	150-250	12.16	13.33	835	0.065	10	21	0.81	33.6	-78		14.7	1.4		62.7	
GASOIL	175-400	39.18	40.82	879	0.274		63		42.0	-47	-50	-54	3.7	1.6	11.5	90.5
	230-400	33.12	34.18	887	0.314		65		43.5	-47	-48	-48	4.8	1.9	11.5	107.1
	230-375	28.19	29.24	883	0.283		64		43.0	-55	-55	-56	4.0	1.7	11.5	105.2
VACUUM DISTILLATE	375-550	31.13	30.50	934	0.53	0.3	81	0	0	0.151	489	14	12.3	4.2	11.7	0.0
	375-565	33.31	32.58	936	0.54	0.4	82	1	0	0.161	516	16	13.3	4.5	11.7	0.0
	375-580	35.40	34.57	937	0.55	0.6	82	1	0	0.172	542	17	14.4	4.7	11.8	0.1
	400-580	30.47	29.64	941	0.56	0.7	83	1	0	0.191	595	22	18.0	5.5	11.8	0.1
RESIDUE	> 375	59.12	56.22	963	0.72	8.4	1.1	36	15	0.352		-3	64	13	-	1.4
	> 550	28.00	25.73	996	0.92	17.4	0.2	76	31	0.577		51	1230	99	144	2.8
	> 565	25.81	23.64	1000	0.94	18.7	0.1	82	33	0.599		54	1760	124	107	3.1
	> 580	23.73	21.65	1003	0.96	20.0	0.1	88	36	0.621		57	2570	160	82	3.3

This crude oil data sheet is for information purposes only. No guaranty is given as to its accuracy or as to any consequences arising from its use.

TOTAL DTS / AM

Mar-15