



Crude **CABINDA**

Country Angola

TBP
DISTILLATION

Density at 15°C, kg/m3	863.2	Assay Date	23-Jan-20	°C	wt%	vol%	°C	wt%	vol%
°API	32.4			080	6.4	8.5	460	63.9	67.8
Bbl/mt	7.300			090	7.3	9.7	480	67.2	71.0
Acidity, mg KOH/g	0.05			100	8.4	10.9	500	70.5	74.0
Sulphur, wt%	0.17			120	10.8	13.7	520	73.6	76.9
Hydrogen Sulphide, mg/kg	1			140	13.6	16.8	540	76.5	79.6
Mercaptan Sulphur, mg/kg	53			160	16.3	19.9	560	79.3	82.1
Viscosity, cSt at 10 °C	35.7			180	18.9	22.7	580	81.9	84.5
50 °C	8.3			200	21.3	25.3			
Pour Point, °C	3			220	23.7	27.8			
Total Nitrogen, wt%	0.14			240	26.4	30.7			
Wax, wt%	-			260	29.5	33.9			
Wax Appearance Temperature, °C	-			280	32.8	37.3			
RVP at 37.8 °C, kPa	-			300	36.2	40.7			
Water, vol%	-			320	39.6	44.2			
NaCl, mg/kg	-			340	43.1	47.7			
Nickel, mg/kg	12.5			360	46.6	51.1			
Vanadium, mg/kg	1.5			380	50.0	54.5			
Iron, mg/kg	20.8			400	53.5	57.9			
Mercury, µg/kg	-			420	57.0	61.2			
				440	60.5	64.5			

PROPERTIES OF TBP CUTS

LIGHT NAPHTHA	Cuts	Yield	Yield	Den 15°C	S	RSH	RON	MON			Napht.	Aro.	RVP			
	°C	wt%	vol %	kg/m3	wt%	mg/kg	clear	clear			vol%	vol%	kPa			
	15-65	3.8	5.0	652	0.00	6	72.2	70.7			7.9	0.9	-			
	15-80	5.0	6.5	665	0.00	13	69.0	67.5			13.6	2.6	-			
HEAVY NAPHTHA	Cuts	Yield	Yield	Den 15°C	S	RSH					Napht.	Aro.				
	°C	wt%	vol %	kg/m3	wt%	mg/kg					vol%	vol%				
	80-150	8.6	9.8	752	0.01	47					45.7	6.9				
80-175	12.0	13.5	760	0.01	44					45.7	7.7					
100-150	6.6	7.5	758	0.01	47					47.2	6.4					
KEROSENE	Cuts	Yield	Yield	Den 15°C	S	RSH	Smoke	Acidity	Cetane	Freez. Pt		Aro.	Visc cSt			Flash
	°C	wt%	vol %	kg/m3	wt%	mg/kg	Pt mm	mgKOH/g	Index	°C		vol%	50°C			Point
	150-230	10.1	10.9	795	0.02	34	27	0.01	42.0	-55		12.7	1.0			55.5
	175-230	6.7	7.2	803	0.03	32	26	0.02	44.3	-50		14.2	1.1			69.2
150-250	13.0	13.9	801	0.03	34	26	0.02	44.4	-50		13.5	1.1			58.9	
GASOIL	Cuts	Yield	Yield	Den 15°C	S		Anilin		Cetane	Cloud Pt	CFPP	Pour Pt	Visc cSt	Visc cSt	UOPK	Flash
	°C	wt%	vol %	kg/m3	wt%		Point °C		Index	C	C	C	50°C	100°C		Point
	175-400	35.2	35.8	843	0.11		74		53.9	1	-4	-8	3.0	1.4	11.9	85.1
	230-400	28.5	28.6	853	0.13		77		57.2	3	1	0	4.1	1.7	12.0	107.9
230-375	24.1	24.4	848	0.12		76		57.1	-3	-4	-6	3.4	1.5	11.9	105.9	
VACUUM DISTILLATE	Cuts	Yield	Yield	Den 15°C	S	Conrad.	Anilin	Ni	Va	Total N	Bas N	Pour Pt	Visc cSt	Visc cSt	UOPK	Asp C7
	°C	wt%	vol %	kg/m3	wt%	wt%	Point °C	mg/kg	mg/kg	wt%	mg/kg	C	100°C	150°C		wt %
	375-550	28.8	27.3	906	0.22	0.2	94	0	0	0.13	474	41	9.2	3.4	12.1	0.1
	375-565	30.8	29.1	908	0.22	0.3	94	1	0	0.14	500	42	9.9	3.6	12.1	0.1
	375-580	32.7	30.8	910	0.22	0.4	94	1	0	0.15	526	43	10.7	3.8	12.1	0.2
400-580	28.4	26.6	915	0.23	0.5	96	1	0	0.16	572	46	12.9	4.4	12.1	0.2	
RESIDUE	Cuts	Yield	Yield	Den 15°C	S	Conrad.	Acidity	Ni	Va	Total N		Pour Pt	Visc cSt	Visc cSt	Pene	Asp C7
	°C	wt%	vol %	kg/m3	wt%	wt%	mgKOH/g	mg/kg	mg/kg	wt%		C	100°C	150°C	mm/10	wt%
	> 375	50.8	46.4	940	0.27	6.4	0.1	25	3	0.27		39	40	10	-	1.4
	> 550	22.0	19.1	990	0.34	14.4	0.0	56	7	0.44		59	1040	87	88	3.0
	> 565	20.0	17.3	995	0.34	15.7	0.0	62	7	0.45		61	1640	117	71	3.3
> 580	18.1	15.5	1000	0.35	17.1	0.0	67	8	0.47		62	2690	161	60	3.5	

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TOTAL DTS / AM

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