



Crude **CLOV**

Country Angola

TBP
DISTILLATION

Density at 15°C, kg/m3	864.9	Assay Date	26-May-20	°C	wt%	vol%	°C	wt%	vol%
°API	32.0			080	5.0	6.8	460	69.8	72.9
Bbl/mt	7.285			090	6.0	8.0	480	72.9	75.8
Acidity, mg KOH/g	0.74			100	7.2	9.3	500	75.8	78.5
Sulphur, wt%	0.26			120	10.1	12.7	520	78.5	81.0
Hydrogen Sulphide, mg/kg	1			140	13.6	16.6	540	81.1	83.4
Mercaptan Sulphur, mg/kg	4			160	16.8	20.2	560	83.4	85.5
Viscosity, cSt at 10 °C	22.0			180	19.7	23.2	580	85.6	87.5
50 °C	5.6			200	22.5	26.3			
Pour Point, °C	-24			220	25.7	29.6			
Total Nitrogen, wt%	0.14			240	29.2	33.2			
Wax, wt%	-			260	32.9	36.9			
Wax Appearance Temperature, °C	-			280	36.7	40.8			
RVP at 37.8 °C, kPa	-			300	40.7	44.7			
Water, vol%	-			320	44.6	48.7			
NaCl, mg/kg	-			340	48.5	52.5			
Nickel, mg/kg	7.1			360	52.3	56.2			
Vanadium, mg/kg	2.8			380	56.1	59.8			
Iron, mg/kg	2.7			400	59.7	63.3			
Mercury, µg/kg	-			420	63.2	66.7			
				440	66.6	69.9			

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	2.7	3.6	652	0.00	1	74.0	72.3			9.2	0.8	-			
	15-80	3.8	4.9	668	0.00	1	71.3	69.3			16.7	2.7	-			
HEAVY NAPHTHA	Cuts	Yield	Yield	Den 15°C	S	RSH					Napht.	Aro.				
	°C	wt%	vol %	kg/m3	wt%	mg/kg					vol%	vol%				
	80-150	10.3	11.7	758	0.00	3					51.2	13.9				
80-175	14.0	15.7	768	0.01	3					52.2	14.5					
100-150	8.1	9.2	766	0.01	3					52.8	14.7					
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	12.1	12.9	813	0.02	3	23	0.12	35.2	-61		17.5	1.1			56.4
	175-230	8.4	8.9	822	0.03	3	23	0.15	36.1	-55		18.1	1.2			69.8
150-250	15.7	16.5	820	0.03	3	23	0.16	37.2	-55		18.2	1.2			59.8	
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	40.7	40.8	860	0.15		67		46.7	-8	-11	-14	3.1	1.4	11.7	84.4
	230-400	32.3	32.0	871	0.18		70		49.4	-5	-6	-6	4.3	1.8	11.7	107.1
230-375	27.7	27.6	867	0.17		69		48.9	-10	-11	-11	3.6	1.6	11.7	105.3	
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	27.1	25.5	916	0.35	0.2	90	0	0	0.13	460	35	9.7	3.4	11.9	0.0
	375-565	28.8	27.1	918	0.36	0.3	90	0	0	0.14	483	37	10.4	3.6	12.0	0.1
	375-580	30.5	28.6	920	0.36	0.4	91	1	0	0.15	506	37	11.2	3.8	12.0	0.1
400-580	25.9	24.2	924	0.38	0.5	92	1	0	0.17	554	40	13.8	4.4	12.0	0.1	
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	44.9	41.0	943	0.46	5.5	0.6	16	6	0.32		15	33	8	-	0.6
	> 550	17.7	15.5	986	0.64	13.6	0.1	40	16	0.59		54	652	55	145	1.4
	> 565	16.0	13.9	991	0.66	14.9	0.1	44	17	0.63		56	963	70	108	1.5
> 580	14.4	12.5	995	0.68	16.3	0.0	48	19	0.66		59	1480	91	84	1.6	

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TOTAL DTS / AM

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