



Crude **MOSTARDA**

Country **Angola**

TBP  
DISTILLATION

Density at 15°C, kg/m3	886.9	Assay Date	09-May-19	°C	wt%	vol%	°C	wt%	vol%
°API	28.0			080	4.0	5.5	460	60.2	64.4
Bbl/mt	7.104			090	4.8	6.5	480	63.4	67.5
Acidity, mg KOH/g	0.53			100	5.7	7.6	500	66.6	70.6
Sulphur, wt%	1.12			120	7.8	10.2	520	69.8	73.5
Hydrogen Sulphide, mg/kg	0			140	10.4	13.1	540	72.8	76.3
Mercaptan Sulphur, mg/kg	88			160	13.0	16.1	560	75.6	78.9
Viscosity, cSt at 10 °C	122.0			180	15.4	18.8	580	78.3	81.4
50 °C	9.9			200	17.9	21.6			
Pour Point, °C	2			220	20.6	24.5			
Total Nitrogen, wt%	0.28			240	23.5	27.6			
Wax, wt%	-			260	26.7	31.0			
Wax Appearance Temperature, °C	-			280	30.1	34.6			
RVP at 37.8 °C, kPa	47			300	33.7	38.2			
Water, vol%	-	320	37.3	41.9					
NaCl, mg/kg	-	340	40.8	45.5					
Nickel, mg/kg	25.3	360	44.2	49.0					
Vanadium, mg/kg	37.8	380	47.5	52.2					
Iron, mg/kg	-	400	50.7	55.3					
Mercury, µg/kg	-	420	53.8	58.4					
		440	56.9	61.4					

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	2.3	3.1	650	0.00	0	74.5	73.1			8.4	0.3	-			
	15-80	3.2	4.2	665	0.00	0	71.6	70.0			15.1	1.0	-			
HEAVY NAPHTHA	Cuts	Yield	Yield	Den 15°C	S	RSH					Napht.	Aro.				
	°C	wt%	vol %	kg/m3	wt%	mg/kg					vol%	vol%				
	80-150	7.7	9.1	748	0.02	1					47.3	7.3				
80-175	10.9	12.7	758	0.03	1					46.5	9.2					
100-150	6.0	7.0	756	0.02	1					48.6	8.2					
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	10.3	11.4	803	0.15	3	23	0.10	39.6	-60		16.6	1.0			56.4
	175-230	7.2	7.8	811	0.18	3	23	0.11	40.8	-55		17.7	1.2			69.6
150-250	13.4	14.7	809	0.18	4	23	0.11	41.7	-54		17.5	1.1			59.9	
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	35.9	37.2	853	0.65		68		49.4	-4	-8	-12	3.0	1.4	11.8	84.7
	230-400	28.7	29.3	864	0.77		71		52.1	-1	-3	-4	4.1	1.7	11.8	107.3
230-375	24.7	25.5	858	0.70		70		52.3	-6	-8	-9	3.5	1.5	11.8	105.6	
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	27.5	26.2	929	1.34	0.4	85	0	1	0.18	522	37	10.4	3.6	11.8	0.1
	375-565	29.6	28.1	931	1.37	0.5	85	1	1	0.19	550	39	11.3	3.9	11.8	0.1
	375-580	31.6	29.9	933	1.39	0.7	86	1	2	0.20	580	40	12.3	4.1	11.8	0.1
400-580	27.6	26.0	938	1.42	0.8	87	2	2	0.22	626	42	14.9	4.7	11.8	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	53.3	48.6	970	1.75	9.0	0.3	47	71	0.52		29	76	15	-	2.6
	> 550	25.8	22.4	1019	2.18	18.3	0.2	98	146	0.89		54	3360	173	100	5.2
	> 565	23.7	20.4	1024	2.22	19.7	0.2	106	158	0.94		56	5840	247	83	5.6
> 580	21.7	18.6	1030	2.27	21.2	0.2	114	172	0.99		58	10700	366	73	6.1	

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TOTAL DTS / AM

May-19