



Crude **EGINA**

Country Nigeria

TBP
DISTILLATION

Density at 15°C, kg/m3	890.5	Assay Date	04-Oct-19	°C	wt%	vol%	°C	wt%	vol%
°API	27.3			080	1.1	1.5	460	78.4	80.4
Bbl/mt	7.076			090	1.4	1.9	480	81.3	83.1
Acidity, mg KOH/g	0.22			100	1.8	2.4	500	83.8	85.4
Sulphur, wt%	0.17			120	3.0	3.8	520	86.1	87.6
Hydrogen Sulphide, mg/kg	0			140	4.6	5.6	540	88.2	89.5
Mercaptan Sulphur, mg/kg	3			160	6.5	7.8	560	90.0	91.1
Viscosity, cSt at 10 °C	39.4			180	8.5	10.0	580	91.6	92.6
	50 °C			200	10.9	12.5			
Pour Point, °C	-21			220	14.2	16.0			
Total Nitrogen, wt%	0.12			240	18.4	20.4			
Wax, wt%	-			260	23.7	25.9			
Wax Appearance Temperature, °C	-			280	29.7	32.0			
RVP at 37.8 °C, kPa	10	Ethane	0.0	0.0	300	36.3	38.8		
Water, vol%	-	Propane	0.1	0.1	320	43.3	45.9		
NaCl, mg/kg	-	Iso-Butane	0.1	0.1	340	50.7	53.4		
Nickel, mg/kg	7.7	n-Butane	0.1	0.1	360	58.3	60.9		
Vanadium, mg/kg	0.6				380	64.4	66.9		
Iron, mg/kg	1.5				400	68.4	70.9		
Mercury, µg/kg	-				420	72.0	74.3		
					440	75.4	77.5		

PROPERTIES OF TBP CUTS

Cuts	Yield	Yield	Den 15°C	S	RSH	RON	MON				Napht.	Aro.	RVP			
LIGHT NAPHTHA	15-65	0.6	0.8	651	0.00	1	82.5	80.0			9.1	0.1	-			
	15-80	0.9	1.2	668	0.00	3	80.6	77.7			18.4	0.2	-			
HEAVY NAPHTHA	80-150	4.4	5.2	762	0.01	6					63.4	5.1				
	80-175	6.9	7.9	777	0.01	7					64.0	8.3				
	100-150	3.7	4.3	769	0.01	6					65.9	6.0				
KEROSENE	150-230	10.6	11.4	833	0.03	8	15	0.06	29.9	-67		16.4	1.1			19.5
	175-230	8.2	8.7	841	0.03	9	15	0.07	29.7	-62		17.1	1.2			19.5
	150-250	15.4	16.3	840	0.04	8	15	0.08	32.2	-59		18.0	1.2			19.5
GASOIL	175-400	60.4	61.4	876	0.10		65		43.4	-3	-10	-18	3.7	1.6	11.5	19.5
	230-400	52.2	52.8	881	0.11		67		45.7	-2	-7	-13	4.7	1.9	11.6	19.5
	230-375	47.0	47.6	878	0.11		66		45.5	-6	-12	-17	4.1	1.7	11.6	19.5
VACUUM DISTILLATE	375-550	26.0	24.6	942	0.23	0.2	79	0	0	0.17	723	37	11.6	3.9	11.6	0.0
	375-565	27.3	25.8	943	0.24	0.3	79	1	0	0.18	762	37	12.4	4.1	11.6	0.1
	375-580	28.5	26.8	945	0.24	0.5	80	1	0	0.19	799	38	13.2	4.3	11.6	0.1
	400-580	23.2	21.7	952	0.26	0.6	81	1	0	0.21	922	42	17.2	5.2	11.6	0.1
RESIDUE	> 375	36.9	34.3	958	0.31	4.8	0.2	21	2	0.30		33	28	7	-	0.2
	> 550	10.9	9.7	1000	0.50	15.6	0.0	70	6	0.61		56	885	73	113	0.5
	> 565	9.6	8.5	1003	0.52	17.4	0.0	79	6	0.64		57	1400	98	93	0.6
	> 580	8.4	7.4	1007	0.54	19.3	0.0	88	7	0.67		58	2320	136	79	0.6

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