



Crude **GINDUNGO**

Country Angola

TBP
DISTILLATION

		Assay Date	12-Mar-19	°C	wt%	vol%	°C	wt%	vol%
				Density at 15°C, kg/m3	865.0	080	5.6	7.5	460
°API	32.0	090	6.6	8.7	480	67.3	71.2		
Bbl/mt	7.284	100	7.7	10.1	500	70.7	74.4		
Acidity, mg KOH/g	0.54	120	10.6	13.4	520	74.0	77.4		
Sulphur, wt%	0.58	140	13.9	17.2	540	76.9	80.2		
Hydrogen Sulphide, mg/kg	1	160	17.3	21.0	560	79.6	82.6		
Mercaptan Sulphur, mg/kg	24	180	20.3	24.3	580	81.8	84.6		
Viscosity, cSt at 10 °C	28.2	200	23.2	27.5					
50 °C	6.9	220	26.4	30.8					
Pour Point, °C	-8	240	29.8	34.4					
Total Nitrogen, wt%	0.20	260	33.3	38.0					
Wax, wt%	-	280	36.7	41.5					
Wax Appearance Temperature, °C	-	300	40.0	44.9					
RVP at 37.8 °C, kPa	17	320	43.5	48.4					
Water, vol%	-	340	47.3	52.1					
NaCl, mg/kg	-	360	51.0	55.8					
Nickel, mg/kg	16.0	380	53.9	58.5					
Vanadium, mg/kg	18.4	400	56.3	60.9					
Iron, mg/kg	-	420	58.9	63.3					
Mercury, µg/kg	-	440	61.6	65.8					

PROPERTIES OF TBP CUTS

Cuts	Yield	Yield	Den 15°C	S	RSH	RON	MON				Napht.	Aro.	RVP			
LIGHT NAPHTHA	15-65	3.1	4.1	650	0.00	1	73.1	71.6			8.1	0.5	-			
	15-80	4.3	5.6	663	0.00	1	70.2	68.5			14.6	1.6	-			
HEAVY NAPHTHA	80-150	10.0	11.6	746	0.01	3					45.6	7.9				
	80-175	14.0	16.0	756	0.01	3					44.9	9.8				
	100-150	7.9	9.0	753	0.01	3					46.6	8.5				
KEROSENE	150-230	12.5	13.4	800	0.04	4	23	0.72	40.3	-58		15.8	1.0			55.9
	175-230	8.5	9.0	809	0.05	4	23	0.77	41.6	-53		16.3	1.2			69.6
	150-250	15.9	17.1	806	0.06	4	23	0.74	42.3	-53		16.7	1.1			59.1
GASOIL	175-400	36.7	37.3	848	0.30		69		49.8	-12	-15	-18	2.8	1.3	11.8	82.4
	230-400	28.2	28.3	861	0.37		73		52.7	-9	-10	-10	3.9	1.7	11.8	106.1
	230-375	25.2	25.3	857	0.34		72		52.6	-13	-13	-14	3.5	1.5	11.8	104.8
VACUUM DISTILLATE	375-550	25.1	23.5	921	0.77	0.3	89	0	0	0.17	500	32	9.7	3.5	11.9	0.1
	375-565	26.9	25.2	923	0.78	0.5	90	1	1	0.18	528	33	10.4	3.7	12.0	0.2
	375-580	28.6	26.7	924	0.80	0.6	90	1	1	0.19	557	34	11.1	3.9	12.0	0.2
	400-580	25.6	23.8	928	0.82	0.7	91	1	1	0.21	598	36	12.8	4.3	12.0	0.2
RESIDUE	> 375	46.8	42.1	959	1.04	8.9	0.2	34	39	0.43		24	57	12	-	2.5
	> 550	21.7	18.6	1008	1.35	18.8	0.1	73	84	0.72		56	2080	128	95	5.2
	> 565	19.8	16.9	1014	1.38	20.4	0.1	80	92	0.76		59	3730	187	73	5.6
	> 580	18.2	15.4	1020	1.42	22.0	0.1	87	100	0.79		61	6970	279	60	6.0

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