



Crude **FORTIES**
Country United Kingdom

TBP
DISTILLATION

Density at 15°C, kg/m3	837.8	Assay Date	24-May-14	°C	wt%	vol%	°C	wt%	vol%
°API	37.3			080	9.7	12.7	460	75.5	79.2
Bbl/mt	7.522			090	11.3	14.6	480	78.0	81.5
Acidity, mg KOH/g	0.06			100	13.0	16.7	500	80.4	83.6
Sulphur, wt%	0.85			120	17.1	21.3	520	82.6	85.5
Hydrogen Sulphide, mg/kg	3			140	21.5	26.2	540	84.6	87.3
Mercaptan Sulphur, mg/kg	18			160	25.6	30.7	560	86.4	88.9
Viscosity, cSt at 10 °C	8.0			180	29.3	34.5	580	88.1	90.3
Viscosity, cSt at 50 °C	3.0			200	32.5	37.9			
Pour Point, °C	-12			220	35.8	41.3			
Total Nitrogen, wt%	0.09			240	39.2	44.7			
Wax, wt%	-			260	42.7	48.2			
Wax Appearance Temperature, °C	-			280	46.3	51.7			
RVP at 37.8 °C, kPa	53			300	49.8	55.2			
Water, vol%	-			320	53.4	58.6			
NaCl, mg/kg	-			340	56.9	61.9			
Nickel, mg/kg	4.4			360	60.3	65.2			
Vanadium, mg/kg	12.6			380	63.6	68.3			
Iron, mg/kg	-			400	66.8	71.3			
Mercury, µg/kg	-			420	69.9	74.1			
				440	72.8	76.7			

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	5.2	6.7	648	0.00	4	68.9	67.8			8.4	0.5	-			
	15-80	7.3	9.2	659	0.00	7	65.1	64.2			13.6	1.5	-			
HEAVY NAPHTHA	Cuts	Yield	Yield	Den 15°C	S	RSH					Napht.	Aro.				
	°C	wt%	vol %	kg/m3	wt%	mg/kg					vol%	vol%				
	80-150	14.0	15.8	734	0.01	18					31.5	10.8				
80-175	18.7	20.9	744	0.01	18					30.9	11.8					
100-150	10.6	11.8	743	0.01	18					31.4	11.8					
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	13.9	14.5	796	0.06	20	25	0.02	41.1	-56		17.6	1.0			55.0
	175-230	9.1	9.4	807	0.08	21	23	0.03	42.0	-50		19.1	1.1			69.0
150-250	17.3	17.9	802	0.09	20	24	0.03	42.7	-51		18.6	1.1			57.9	
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	38.4	37.6	847	0.52		68		50.0	-3	-7	-11	2.7	1.3	11.8	81.4
	230-400	29.3	28.3	861	0.65		71		53.1	2	0	-2	3.8	1.7	11.8	106.5
230-375	25.3	24.5	855	0.58		70		53.2	-4	-6	-8	3.3	1.5	11.8	104.8	
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	22.8	20.6	918	1.35	0.3	85	0	0	0.12	369	39	8.2	3.2	11.9	0.0
	375-565	24.1	21.7	920	1.38	0.4	86	0	1	0.12	391	40	8.7	3.3	11.9	0.0
	375-580	25.3	22.8	922	1.41	0.6	86	0	1	0.13	413	41	9.3	3.5	11.9	0.1
400-580	21.3	19.1	927	1.47	0.7	88	0	1	0.14	464	44	11.3	4.0	11.9	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	37.2	32.5	951	1.85	6.2	0.1	12	34	0.25		37	27	7	-	0.5
	> 550	14.5	11.9	1009	2.64	15.5	0.0	30	87	0.45		48	558	58	226	1.3
	> 565	13.1	10.7	1014	2.72	16.8	0.0	33	95	0.47		49	821	75	185	1.4
> 580	11.9	9.7	1020	2.80	18.2	0.0	36	104	0.49		50	1250	98	155	1.6	

This crude oil data sheet is for information purposes only. No guaranty is given as to its accuracy or as to any consequences arising from its use.

TOTAL DTS / AM

Jul-21