



Crude **CULZEAN**  
Country United Kingdom

TBP  
DISTILLATION

Density at 15°C, kg/m <sup>3</sup>	782.8	Assay Date	28-May-20	°C	wt%	vol%	°C	wt%	vol%
°API	49.2			080	11.2	13.2	460	96.4	96.7
Bbl/mt	8.050			090	15.0	17.3	480	97.4	97.6
Acidity, mg KOH/g	0.02			100	19.9	22.4	500	98.1	98.3
Sulphur, wt%	0.01			120	29.6	32.3	520	98.7	98.8
Hydrogen Sulphide, mg/kg	0			140	36.6	39.3	540	99.1	99.2
Mercaptan Sulphur, mg/kg	0			160	43.8	46.5	560	99.4	99.5
Viscosity, cSt at 10 °C	1.9			180	49.5	52.2	580	99.6	99.7
50 °C	1.1			200	53.9	56.5			
Pour Point, °C	6			220	58.2	60.7			
Total Nitrogen, wt%	0.00			240	62.7	65.1			
Wax, wt%	10.4			260	67.2	69.3			
Wax Appearance Temperature, °C	-			280	71.3	73.1			
RVP at 37.8 °C, kPa	40			300	75.0	76.6			
Water, vol%	0.0	320	78.4	79.9					
NaCl, mg/kg	4.0	340	81.8	83.1					
Nickel, mg/kg	0.0	360	85.2	86.3					
Vanadium, mg/kg	0.0	380	88.4	89.2					
Iron, mg/kg	0.4	400	91.2	91.9					
Mercury, µg/kg	5.0	420	93.4	94.0					
Arsenic, µg/kg	<100	440	95.1	95.6					

PROPERTIES OF TBP CUTS

LIGHT NAPHTHA	Cuts	Yield	Yield	Den 15°C	S	RSH	RON	MON			Napht.	Aro.	RVP			
	°C	wt%	vol %	kg/m <sup>3</sup>	wt%	mg/kg	clear	clear			vol%	vol%	kPa			
LIGHT NAPHTHA	15-65	6.0	7.1	656	0.00	0	75.6	76.3			4.1	3.2	-			
	15-80	9.7	11.1	679	0.00	0	72.9	74.5			11.0	7.9	-			
HEAVY NAPHTHA	Cuts	Yield	Yield	Den 15°C	S	RSH					Napht.	Aro.				
	°C	wt%	vol %	kg/m <sup>3</sup>	wt%	mg/kg					vol%	vol%				
	80-150	29.0	29.8	761	0.00	0					26.9	28.1				
80-175	37.0	37.7	766	0.00	0					27.5	26.9					
100-150	20.3	20.6	769	0.00	0					24.0	32.0					
KEROSENE	Cuts	Yield	Yield	Den 15°C	S	RSH	Smoke	Acidity	Cetane	Freez. Pt		Aro.	Visc cSt			Flash
	°C	wt%	vol %	kg/m <sup>3</sup>	wt%	mg/kg	Pt mm	mgKOH/g	Index	°C		vol%	50°C			Point
	150-230	20.2	19.9	794	0.00	0	21	0.01	40.7	-52		20.6	0.9			53.5
	175-230	12.2	11.9	800	0.00	0	21	0.00	45.2	-44		19.4	1.1			68.8
150-250	24.7	24.2	798	0.00	0	21	0.01	43.2	-46		20.9	1.0			56.2	
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/m <sup>3</sup>	wt%		Point °C		Index	C	C	C	50°C	100°C		Point
	175-400	42.9	40.9	820	0.01		80		57.9	1	-2	-6	2.2	1.1	12.2	78.7
	230-400	30.7	29.0	828	0.02		87		66.1	7	6	5	3.1	1.5	12.3	104.6
230-375	27.2	25.6	827	0.02		85		64.5	1	0	-1	2.8	1.4	12.2	103.1	
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/m <sup>3</sup>	wt%	wt%	Point °C	mg/kg	mg/kg	wt%	mg/kg	C	100°C	150°C		wt %
	375-550	11.7	10.8	840	0.02	0.0	110	0	0	0.00	5	48	4.2	2.0	12.9	0.0
	375-565	11.9	11.0	840	0.02	0.0	110	0	0	0.00	7	49	4.2	2.0	12.9	0.0
	375-580	12.0	11.2	840	0.02	0.0	110	0	0	0.00	9	49	4.3	2.0	12.9	0.0
400-580	8.5	7.8	843	0.02	0.0	113	0	0	0.00	13	53	5.1	2.3	13.0	0.0	
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/m <sup>3</sup>	wt%	wt%	mgKOH/g	mg/kg	mg/kg	wt%		C	100°C	150°C	mm/10	wt%
	> 375	12.4	11.5	842	0.02	0.0	0.0	0	0	0.00		52	4	2	-	0.0
	> 550	0.7	0.6	874	0.04	0.5	0.6	1	1	0.00		79	19	6	2120	0.3
	> 565	0.5	0.5	878	0.04	0.6	0.8	1	1	0.00		81	23	7	1110	0.3
> 580	0.4	0.3	883	0.05	0.7	1.0	2	1	0.00		82	28	8	594	0.4	

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