

		Crude <b>OMAN</b>			TBP											
		Country	Oman		DISTILLATION											
Density at 15°C, kg/m3	868.7	Assay Date	20-Sep-16		°C	wt%	vol%	°C	wt%	vol%						
°API	31.3				080	5.4	7.4	460	58.2	62.7						
Bbl/mt	7.253				090	6.7	9.0	480	61.0	65.4						
Acidity, mg KOH/g	0.64				100	8.2	10.8	500	63.7	67.9						
Sulphur, wt%	1.410				120	10.7	13.8	520	66.3	70.3						
Hydrogen Sulphide, mg/kg	<1				140	12.9	16.3	540	68.8	72.6						
Mercaptan Sulphur, mg/kg	160				160	15.3	19.1	560	71.2	74.8						
Viscosity, cSt at 10 °C	51				180	17.8	21.8	580	73.4	76.9						
50 °C	10				200	20.3	24.6									
Pour Point, °C	-36				220	22.9	27.4									
Total Nitrogen, wt%	0.121				240	25.6	30.3									
Wax, wt%	-				260	28.4	33.2									
Wax Appearance Temperature, °C	-				280	31.2	36.2									
RVP at 37.8 °C, kPa	16				300	34.1	39.1									
Water, vol%	0.1				320	37.0	42.1									
NaCl, mg/kg	59.0				340	40.0	45.1									
Nickel, mg/kg	10.1				360	43.0	48.1									
Vanadium, mg/kg	10.1				380	46.1	51.1									
Iron, mg/kg	4.0				400	49.2	54.1									
Mercury, µg/kg	2.0				420	52.3	57.1									
					440	55.3	59.9									

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	2.9	4.0	640	0.02	145	72.7	72.1			1.4	0.0	-				
15-80	4.3	5.6	655	0.02	181	64.2	63.7			4.5	0.5	-					
HEAVY NAPHTHA	Cuts	Yield	Yield	Den 15°C	S	RSH					Napht.	Aro.					
	°C	wt%	vol %	kg/m3	wt%	mg/kg					vol%	vol%					
	80-150	8.7	10.3	732	0.04	164					26.6	8.6					
	80-175	11.8	13.8	741	0.05	162					26.7	9.2					
100-150	5.9	6.9	742	0.05	170					29.7	10.3						
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	10.1	11.2	785	0.11	133	35	0.04	47.8	-57		12.3	0.9			56.5	
	175-230	7.1	7.7	792	0.13	124	33	0.04	49.2	-52		12.7	1.0			69.3	
150-250	12.9	14.1	791	0.14	132	33	0.05	49.1	-53		13.3	1.0			59.6		
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	32.0	33.0	841	0.61		72		53.3	-10	-13	-17	3.0	1.4	11.9	82.7	
	230-400	25.0	25.2	856	0.75		76		55.6	-6	-7	-8	4.5	1.8	11.9	107.3	
230-375	21.1	21.5	850	0.67		74		56.0	-12	-13	-14	3.8	1.6	11.9	105.3		
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	24.7	23.4	914	1.46	0.2	92	0	0	0.07	245	28	9.4	3.4	12.0	0.0	
	375-565	26.4	25.0	914	1.49	0.3	92	0	0	0.08	259	29	10.2	3.6	12.0	0.0	
	375-580	28.0	26.5	915	1.52	0.4	93	0	0	0.08	275	30	11.1	3.8	12.0	0.0	
400-580	24.2	22.8	919	1.58	0.5	95	0	0	0.09	298	32	13.5	4.4	12.1	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/m3	wt%	wt%	mgKOH/g	mg/kg	mg/kg	wt%		C	100°C	150°C	mm/10	wt%	
	> 375	54.7	49.6	954	2.29	7.6	0.9	19	18	0.22		29	87	17	-	1.4	
	> 550	30.0	26.2	991	2.97	13.6	0.5	34	34	0.34		49	2,160	166	47	2.6	
	> 565	28.3	24.6	995	3.04	14.3	0.5	36	35	0.35		50	3,000	211	47	2.7	
> 580	26.6	23.1	999	3.10	15.1	0.4	38	38	0.36		51	4,240	271	47	2.9		

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TOTAL DTS / AM

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