



Crude **OMAN**

Country Oman

TBP
DISTILLATION

Density at 15°C, kg/m3	858.7	Assay Date	10-Oct-20	°C	wt%	vol%	°C	wt%	vol%
°API	33.2	Assay Quality	Good	080	5.3	7.3	460	63.2	67.6
Bbl/mt	7.338			090	6.2	8.2	480	66.1	70.3
Acidity, mg KOH/g	0.58			100	7.2	9.4	500	68.9	73.0
Sulphur, wt%	1.29			120	9.7	12.4	520	71.7	75.5
Hydrogen Sulphide, mg/kg	0			140	12.9	16.1	540	74.3	77.9
Mercaptan Sulphur, mg/kg	114			160	16.4	20.1	560	76.9	80.2
Viscosity, cSt at 10 °C	31.5			180	19.6	23.7	580	79.3	82.4
50 °C	8.6			200	22.4	26.9			
Pour Point, °C	-45			220	25.2	29.8			
Total Nitrogen, wt%	0.13			240	28.1	32.9			
Wax, wt%	-			260	31.1	36.1			
Wax Appearance Temperature, °C	-			280	34.2	39.3			
RVP at 37.8 °C, kPa	-	Ethane	0.0	0.0	300	37.5	42.6		
Water, vol%	-	Propane	0.2	0.4	320	40.8	46.0		
NaCl, mg/kg	-	Iso-Butane	0.3	0.5	340	44.1	49.3		
Nickel, mg/kg	11.4	n-Butane	0.8	1.2	360	47.5	52.6		
Vanadium, mg/kg	9.6				380	50.7	55.8		
Iron, mg/kg	0.9				400	54.0	58.9		
Mercury, µg/kg	-				420	57.1	61.9		
					440	60.2	64.8		

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	3.1	4.1	645	0.11	993	66.7	70.3			4.2	0.6	-			
	15-80	4.0	5.2	658	0.10	1120	61.3	66.6			8.1	2.0	-			
HEAVY NAPHTHA	Cuts	Yield	Yield	Den 15°C	S	RSH					Napht.	Aro.				
	°C	wt%	vol %	kg/m3	wt%	mg/kg					vol%	vol%				
	80-150	9.3	10.9	734	0.06	333					25.8	9.6				
80-175	13.5	15.6	742	0.07	322					23.4	9.5					
100-150	7.5	8.7	739	0.06	294					25.4	9.9					
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	12.0	13.2	778	0.13	213	31	0.03	49.4	-59		10.2	1.0			54.9
	175-230	7.8	8.5	788	0.15	168	30	0.03	50.9	-53		10.6	1.1			68.7
150-250	14.9	16.3	785	0.15	185	30	0.03	50.4	-55		11.0	1.1			57.7	
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	35.2	36.0	837	0.60		74		54.7	-12	-15	-18	2.9	1.4	12.0	81.9
	230-400	27.3	27.5	852	0.73		77		57.2	-9	-9	-10	4.1	1.7	12.0	107.4
230-375	23.3	23.6	846	0.65		75		57.8	-14	-14	-15	3.5	1.6	12.0	105.5	
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	25.7	24.1	915	1.40	0.3	91	0	0	0.09	278	30	9.3	3.5	12.0	0.1
	375-565	27.6	25.8	918	1.44	0.5	91	0	0	0.10	301	31	10.2	3.7	12.0	0.1
	375-580	29.4	27.4	920	1.49	0.7	92	1	1	0.10	325	31	11.3	4.0	12.0	0.1
400-580	25.3	23.5	924	1.54	0.8	93	1	1	0.11	358	34	14.0	4.7	12.0	0.2	
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	50.1	45.0	955	2.22	9.4	0.9	23	19	0.25		13	71	15	-	1.6
	> 550	24.4	20.9	1001	3.09	18.9	0.5	46	39	0.43		55	3600	228	94	3.3
	> 565	22.5	19.2	1006	3.17	20.2	0.4	50	42	0.45		58	5890	321	73	3.5
> 580	20.7	17.6	1011	3.26	21.6	0.4	54	46	0.47		61	9890	461	59	3.7	

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TOTAL DTS / AM

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