

		Crude OSEBERG				TBP DISTILLATION					
		Country Norway									
Density at 15°C, kg/m3	826.8	Assay Date 20-May-16				°C	wt%	vol%	°C	wt%	vol%
°API	39.6					080	9.0	11.6	460	79.6	82.4
Bbl/mt	7.622					090	11.3	14.3	480	82.2	84.7
Acidity, mg KOH/g	0.12					100	13.8	17.0	500	84.6	86.9
Sulphur, wt%	0.203					120	18.7	22.4	520	86.8	88.9
Hydrogen Sulphide, mg/kg	3					140	23.2	27.3	540	88.9	90.7
Mercaptan Sulphur, mg/kg	1					160	27.6	31.9	560	90.7	92.3
Viscosity, cSt at 10 °C	5					180	31.8	36.3	580	92.3	93.7
50 °C	2					200	35.8	40.5			
Pour Point, °C	-15					220	39.7	44.5			
Total Nitrogen, wt%	0.074					240	43.5	48.3			
Wax, wt%	5.0					260	47.3	52.0			
Wax Appearance Temperature, °C	-					280	51.2	55.8			
RVP at 37.8 °C, kPa	55					300	55.3	59.8			
Water, vol%	-					320	59.7	64.0			
NaCl, mg/kg	-					340	63.7	67.8			
Nickel, mg/kg	1.1					360	66.7	70.6			
Vanadium, mg/kg	1.0					380	69.2	72.9			
Iron, mg/kg	2.7					400	71.7	75.2			
Mercury, µg/kg	-					420	74.3	77.6			
						440	76.9	80.0			

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	4.1	5.3	645	0.00	0	75.1	74.4				3.7	0.0	-				
	15-80	6.8	8.3	668	0.00	0	70.3	69.3				11.7	0.7	-				
HEAVY NAPHTHA	Cuts	Yield	Yield	Den 15°C	S	RSH						Napht.	Aro.					
	°C	wt%	vol %	kg/m3	wt%	mg/kg						vol%	vol%					
	80-150	16.5	18.0	752	0.00	1						34.7	15.8					
	80-175	21.8	23.6	759	0.00	1						34.6	16.3					
	100-150	11.6	12.6	761	0.00	1						34.9	19.5					
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	16.2	16.7	795	0.01	1	24	0.01	42.0	-55		16.3	1.0				55.6	
	175-230	10.9	11.2	802	0.01	1	23	0.02	44.1	-51		15.6	1.1				68.8	
	150-250	19.9	20.5	801	0.01	1	23	0.02	43.4	-51		16.9	1.1				58.3	
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	40.9	40.0	842	0.11		69		50.6	-12	-15	-19	2.6	1.2	11.8	79.4		
	230-400	30.0	28.8	858	0.15		73		53.3	-7	-8	-9	3.8	1.6	11.8	105.6		
	230-375	27.0	26.0	854	0.13		72		53.2	-12	-13	-13	3.3	1.5	11.8	104.4		
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	21.3	19.2	911	0.40	0.2	91	0	0	0.11	322	36	9.2	3.5	12.0	0.0		
	375-565	22.6	20.4	913	0.41	0.3	91	0	0	0.11	342	37	9.9	3.7	12.0	0.0		
	375-580	23.8	21.4	915	0.42	0.4	92	0	0	0.12	363	37	10.7	3.9	12.0	0.0		
	400-580	20.7	18.5	918	0.44	0.5	93	0	0	0.14	392	40	12.5	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	31.4	27.7	935	0.53	4.6	0.2	3	3	0.23		39	24	7	-	0.7		
	> 550	10.2	8.4	991	0.79	13.9	0.3	10	10	0.49		49	623	64	207	2.2		
	> 565	8.9	7.3	998	0.82	15.6	0.3	12	11	0.53		49	1,050	90	169	2.6		
	> 580	7.7	6.3	1005	0.85	17.6	0.3	13	12	0.56		50	1,860	130	143	2.9		

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TOTAL DTS / AM

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