



Crude **EKOFISK**
Country Norway

TBP
DISTILLATION

Density at 15°C, kg/m3	830.1	Assay Date	01-Oct-15	°C	wt%	vol%	°C	wt%	vol%
°API	38.9			080	9.1	11.8	460	75.2	78.4
Bbl/mt	7.591			090	10.6	13.5	480	77.8	80.8
Acidity, mg KOH/g	0.11			100	12.4	15.5	500	80.2	83.0
Sulphur, wt%	0.21			120	16.5	20.1	520	82.5	85.0
Hydrogen Sulphide, mg/kg	0			140	20.7	24.7	540	84.7	86.9
Mercaptan Sulphur, mg/kg	0			160	24.3	28.6	560	86.6	88.7
Viscosity, cSt at 10 °C	8.1			180	27.7	32.2	580	88.4	90.2
	50 °C			200	31.1	35.7			
Pour Point, °C	-3			220	34.7	39.4			
Total Nitrogen, wt%	0.12			240	38.3	43.1			
Wax, wt%	-			260	42.0	46.8			
Wax Appearance Temperature, °C	-			280	45.7	50.5			
RVP at 37.8 °C, kPa	8	Ethane	0.0 0.0	300	49.4	54.1			
Water, vol%	-	Propane	0.1 0.1	320	53.1	57.6			
NaCl, mg/kg	-	Iso-Butane	0.5 0.7	340	56.6	61.1			
Nickel, mg/kg	3.0	n-Butane	2.0 2.8	360	60.1	64.4			
Vanadium, mg/kg	1.9			380	63.4	67.5			
Iron, mg/kg	0.5			400	66.5	70.4			
Mercury, µg/kg	-			420	69.6	73.2			
				440	72.4	75.9			

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	4.9	6.2	651	0.00	0	71.5	69.7			7.8	0.7	-			
	15-80	6.6	8.2	665	0.00	0	68.8	66.5			14.2	2.3	-			
HEAVY NAPHTHA	Cuts	Yield	Yield	Den 15°C	S	RSH					Napht.	Aro.				
	°C	wt%	vol %	kg/m3	wt%	mg/kg					vol%	vol%				
	80-150	13.5	14.9	746	0.00	0					35.1	12.4				
80-175	17.7	19.5	753	0.00	0					34.2	13.1					
100-150	10.2	11.2	752	0.00	0					34.3	12.9					
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	13.9	14.5	793	0.01	0	29	0.01	43.7	-52		18.0	0.9			50.1
	175-230	9.6	9.9	801	0.01	0	28	0.01	45.2	-47		19.1	1.0			63.3
150-250	17.6	18.2	799	0.01	0	28	0.01	45.4	-48		18.6	1.0			53.0	
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	39.7	39.1	838	0.11		73		53.1	-5	-8	-11	2.5	1.2	11.9	82.7
	230-400	30.1	29.2	851	0.15		76		56.8	-1	-1	-2	3.6	1.5	12.0	110.1
230-375	26.1	25.5	847	0.13		75		56.7	-6	-6	-7	3.2	1.4	11.9	107.9	
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	23.1	21.1	906	0.34	0.2	93	0	0	0.15	517	31	7.7	3.1	12.1	0.0
	375-565	24.5	22.4	908	0.35	0.3	93	0	0	0.16	547	31	8.2	3.3	12.1	0.0
375-580	25.9	23.5	909	0.36	0.4	94	0	0	0.17	576	31	8.8	3.4	12.1	0.0	
400-580	21.9	19.8	915	0.37	0.5	95	0	0	0.20	632	33	10.8	4.0	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	37.4	33.3	930	0.46	4.4	0.2	8	5	0.30		36	22	7	-	0.1
	> 550	14.3	12.2	973	0.66	11.1	0.2	21	13	0.54		38	289	40	607	0.3
	> 565	12.9	10.9	977	0.67	12.1	0.2	23	14	0.57		37	395	50	535	0.3
> 580	11.6	9.8	981	0.69	13.2	0.2	26	16	0.59		37	555	63	479	0.4	

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TOTAL DTS / AM

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