



Crude **GUDRUN BLEND**

Country Norway

TBP
DISTILLATION

Density at 15°C, kg/m3	776.2	Assay Date	12-Jan-15		°C	wt%	vol%	°C	wt%	vol%
°API	50.7				080	21.8	26.3	460	91.7	93.1
Bbl/mt	8.121				090	26.0	30.7	480	93.3	94.4
Acidity, mg KOH/g	0.01				100	30.8	35.6	500	94.6	95.6
Sulphur, wt%	0.07				120	37.8	42.7	520	95.8	96.5
Hydrogen Sulphide, mg/kg	6				140	44.7	49.5	540	96.7	97.3
Mercaptan Sulphur, mg/kg	1				160	51.6	56.3	560	97.5	98.0
Viscosity, cSt at 10 °C	1.6				180	55.8	60.4	580	98.1	98.5
50 °C	1.0				200	58.5	63.0			
Pour Point, °C	-72				220	61.3	65.6			
Total Nitrogen, wt%	0.03				240	64.4	68.5			
Wax, wt%	-				260	67.7	71.6			
Wax Appearance Temperature, °C	-				280	70.9	74.6			
RVP at 37.8 °C, kPa	-				300	74.0	77.4			
Water, vol%	-				320	76.8	80.0			
NaCl, mg/kg	-				340	79.4	82.2			
Nickel, mg/kg	0.1				360	81.7	84.3			
Vanadium, mg/kg	0.1				380	83.9	86.3			
Iron, mg/kg	0.5				400	86.1	88.2			
Mercury, µg/kg	-				420	88.1	89.9			
					440	90.0	91.6			

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	12.4	14.9	644	0.00	0	75.7	75.0			3.1	0.1	-			
	15-80	16.9	19.8	661	0.00	0	72.6	71.8			8.3	1.0	-			
HEAVY NAPHTHA	Cuts	Yield	Yield	Den 15°C	S	RSH					Napht.	Aro.				
	°C	wt%	vol %	kg/m3	wt%	mg/kg					vol%	vol%				
	80-150	26.5	26.8	763	0.00	1					29.8	25.9				
80-175	33.2	33.3	768	0.00	1					28.1	26.7					
100-150	17.6	17.5	774	0.00	1					28.3	32.4					
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	14.5	14.0	799	0.00	1	21	0.03	37.1	-52		27.0	0.9			51.5
	175-230	7.8	7.5	805	0.00	1	20	0.03	43.2	-46		24.2	1.1			69.0
150-250	17.7	17.0	803	0.00	1	21	0.03	39.8	-49		26.7	1.0			54.2	
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/m3	wt%		Point °C		Index	C	C	C	50°C	100°C		Point
	175-400	31.0	28.5	838	0.07		70		52.0	-8	-11	-14	2.4	1.2	11.9	80.6
	230-400	23.2	21.1	850	0.10		76		56.0	-4	-4	-5	3.4	1.5	11.9	104.8
230-375	20.5	18.7	846	0.08		73		55.6	-9	-10	-10	3.0	1.4	11.9	103.3	
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	13.7	11.9	892	0.25	0.1	102	0	0	0.10	288	41	7.2	2.9	12.2	0.0
	375-565	14.3	12.3	893	0.26	0.1	102	0	0	0.10	297	42	7.6	3.0	12.2	0.0
	375-580	14.7	12.7	894	0.26	0.2	102	0	0	0.10	305	42	7.9	3.1	12.2	0.0
400-580	12.0	10.3	899	0.27	0.3	105	0	0	0.11	334	46	9.6	3.6	12.3	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	16.6	14.2	902	0.30	1.5	0.1	1	1	0.14		48	10	4	-	0.1
	> 550	2.9	2.3	954	0.52	8.5	0.0	3	4	0.33		55	104	19	468	0.3
	> 565	2.4	1.9	960	0.55	10.0	0.0	4	5	0.37		54	142	23	374	0.3
> 580	1.9	1.5	967	0.58	11.8	0.0	5	6	0.41		53	199	29	301	0.4	

This crude oil data sheet is for information purposes only. No guaranty is given as to its accuracy or as to any consequences arising from its use.