



Crude **TROLL**

Country Norway

TBP  
DISTILLATION

Density at 15°C, kg/m3	852.1	Assay Date	21-Feb-19	°C	wt%	vol%	°C	wt%	vol%
°API	34.5			080	6.3	8.3	460	78.0	80.4
Bbl/mt	7.394			090	8.3	10.6	480	80.9	83.1
Acidity, mg KOH/g	0.76			100	10.8	13.5	500	83.6	85.6
Sulphur, wt%	0.18			120	16.0	19.3	520	86.1	87.9
Hydrogen Sulphide, mg/kg	2			140	19.6	23.2	540	88.4	89.9
Mercaptan Sulphur, mg/kg	6			160	22.7	26.5	560	90.4	91.7
Viscosity, cSt at 10 °C	8.3			180	26.1	30.2	580	92.1	93.3
50 °C	2.9			200	29.7	33.9			
Pour Point, °C	-30			220	33.2	37.5			
Total Nitrogen, wt%	0.07			240	36.8	41.1			
Wax, wt%	-			260	40.5	44.8			
Wax Appearance Temperature, °C	-			280	44.7	49.0			
RVP at 37.8 °C, kPa	48			300	49.4	53.5			
Water, vol%	-			320	54.3	58.3			
NaCl, mg/kg	-			340	58.8	62.5			
Nickel, mg/kg	0.6			360	62.5	66.0			
Vanadium, mg/kg	0.5			380	65.6	69.0			
Iron, mg/kg	-			400	68.7	71.9			
Mercury, µg/kg	-			420	71.9	74.8			
				440	75.0	77.6			

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	3.0	4.0	651	0.00	0	77.1	76.1			5.5	0.0	-			
	15-80	4.9	6.2	674	0.00	0	74.1	72.6			15.2	0.4	-			
HEAVY NAPHTHA	Cuts	Yield	Yield	Den 15°C	S	RSH					Napht.	Aro.				
	°C	wt%	vol %	kg/m3	wt%	mg/kg					vol%	vol%				
	80-150	14.8	16.5	760	0.00	0					46.0	15.9				
80-175	18.9	20.9	768	0.00	0					44.7	17.3					
100-150	10.3	11.4	770	0.00	0					45.8	20.1					
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	816	0.02	1	19	0.02	33.7	-62		22.0	1.0			56.7
	175-230	9.8	10.1	824	0.02	1	18	0.03	34.5	-58		21.8	1.1			69.0
150-250	17.5	18.1	823	0.02	1	18	0.03	35.3	-58		22.6	1.1			59.7	
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	43.5	42.6	867	0.11		63		43.7	-16	-20	-24	2.9	1.3	11.6	82.2
	230-400	33.7	32.6	880	0.14		66		45.8	-13	-14	-16	4.3	1.7	11.6	107.1
230-375	29.9	29.0	876	0.12		65		45.3	-19	-20	-21	3.7	1.5	11.5	105.7	
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	24.5	22.6	923	0.32	0.2	87	0	0	0.09	255	32	10.1	3.5	11.9	0.0
	375-565	26.0	23.8	925	0.33	0.3	87	0	0	0.10	271	33	10.8	3.6	11.9	0.0
	375-580	27.3	25.0	926	0.33	0.4	88	0	0	0.11	289	34	11.5	3.8	11.9	0.0
400-580	23.4	21.4	928	0.35	0.5	89	0	0	0.12	316	37	13.6	4.3	11.9	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	35.1	31.7	940	0.41	3.7	1.5	2	1	0.20		33	23	6	-	0.1
	> 550	10.6	9.2	981	0.60	11.6	1.3	6	5	0.46		35	399	42	630	0.3
	> 565	9.2	7.9	986	0.63	13.1	1.2	7	5	0.49		34	618	55	545	0.3
> 580	7.9	6.7	992	0.65	14.8	1.1	8	6	0.53		33	998	75	481	0.3	

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TOTAL DTS / AM

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