

# Goliat

**GOLIAT**

**41,3**

DIC-2022

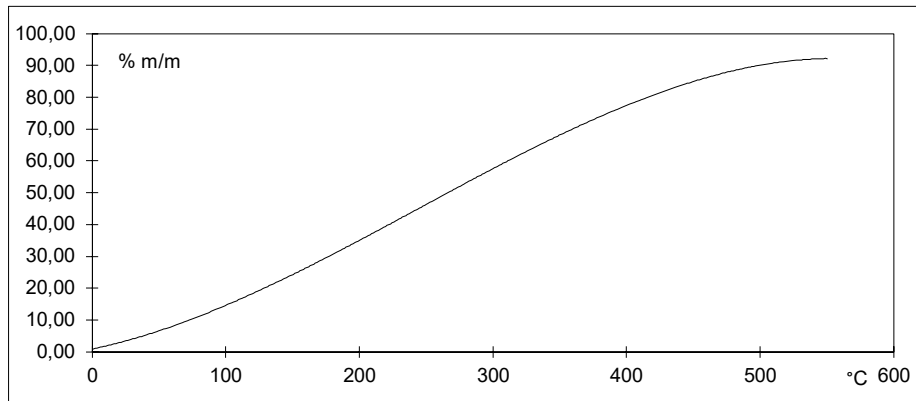
GOL06.2022.12.ET

110-GR-2022

110-GR-2022

✓ **Tab. 1b: Tbp distillation elaboration**

CUT POINT °C	DISTILLATE % ON CRUDE		CUMULATIVE % ON CRUDE		DENSITY @ 15°C
	m/m	v/v	m/m	v/v	Kg/l
C1	0,000	0,000	0,000	0,000	0,3000
C2	0,025	0,057	0,025	0,057	0,3564
C3	0,341	0,551	0,366	0,608	0,5077
IC4	0,330	0,481	0,697	1,089	0,5630
NC4	0,766	1,074	1,462	2,163	0,5840
IC5	1,510	2,297	2,972	4,459	0,6247
NC5	1,416	1,939	4,389	6,398	0,6309
80	5,101	5,640	9,490	12,038	0,6618
100	5,630	6,254	15,120	18,293	0,7370
120	4,360	4,715	19,480	23,008	0,7571
140	4,490	4,783	23,970	27,791	0,7686
150	2,070	2,174	26,040	29,965	0,7794
160	1,760	1,837	27,800	31,802	0,7843
180	3,840	3,958	31,640	35,760	0,7944
210	3,300	3,334	34,940	39,094	0,8105
230	5,380	5,350	40,320	44,444	0,8233
250	5,650	5,566	45,970	50,010	0,8311
270	4,480	4,385	50,450	54,395	0,8364
290	3,530	3,415	53,980	57,810	0,8463
320	8,390	8,087	62,370	65,898	0,8494
350	6,690	6,375	69,060	72,273	0,8592
370	4,320	4,076	73,380	76,349	0,8677
400	3,930	3,663	77,310	80,012	0,8785
530	13,705	12,412	91,015	92,424	0,9040
550	1,554	1,371	92,569	93,795	0,9281
550+	7,431	6,255	100,000	100,050	0,9727



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## SUMMARY

Date Sampled: 29.09.2022      Reported: December 2022

	CRUDE OIL	YIELDS AND CHARACTERISTICS OF PRODUCTS														
		GAS	NAPHTHAS			KEROSENES		GASOILS		V. DIST.	RESIDUES					
		C1-C4	C5-80 [c]	80-160	80-180	160-230	180-230	230-370	370-400	370-530	370+	400+	530+			
TBP Range :																
TBP Yield	%m/m		1,46	8,03	18,31	22,15	12,52	8,68	33,06	3,93	17,63	26,62	22,69	8,99		
TBP Yield	%v/v		2,16	9,88	19,76	23,72	12,64	8,68	31,91	3,66	16,08	23,70	20,04	7,63		
Density @15°C	Kg/l	0,8187	0,5537	0,6655	0,7585	0,7645	0,8109	0,8184	0,8484	0,8785	0,8982	0,9196	0,9271	0,9647		
API Gravity @ 60°F		41,3														
Viscosity @ 20°C	mm <sup>2</sup> /s	3,55														
Viscosity @ 50°C	VBN						2,68	6,28	15,56	24,75	29,47	33,44	34,95	41,25		
Sulphur	%m/m	0,17	0,0011	0,0030	0,0042		0,0224	0,0280	0,16	0,35	0,39	0,40	0,41	0,42		
Mercaptan Sulphur	ppm	13	6		16			20								
Hydrogen Sulphide	%m/m	<1														
Acidity	mgKOH/g	0,07					0,26	0,03	0,05	0,14	0,09					
Paraffins	%v/v		81,1	45,9	44,2											
Naphthenes	%v/v		17,4	40,2	40,6											
Aromatics	%v/v		1,5	13,9	15,2	25,0	26,7									
N+2A			20,3	68,0	71,0											
Smoke Pt.	mm						25	24								
Freezing Pt.	°C						-58	-52								
Cloud Pt.	°C								-1	+27						
Pour Pt.	°C	-9							-6	+24		+36	+39	+60		
Cetane Index									57,7	72,9						
Total Nitrogen	%m/m									110	0,06	0,15	0,17	0,32		
Basic Nitrogen	ppm									52	141	281	330	833		
Nickel	ppm	1									< 1 [c]	3	3	8		
Vanadium	ppm	1,1									< 2 [c]	4	5	13		
P.Value													>5			
Asphaltenes in NC7	%m/m	0,1										0,25	0,30	0,75		
R.C.C.	%m/m	0,8									0,1	3,2	3,7	9,2		
Penetration @ 25°C	dmm															
UOP K Factor		12,2									12,0	11,8	11,8			

<b>TBP Distillation</b>	
Cut Point	%m/m Cum
C1	0,00
C2	0,03
C3	0,37
IC4	0,70
NC4	1,46
IC5	2,97
NC5	4,39
80	9,49
100	15,12
120	19,48
140	23,97
160	27,80
180	31,64
210	34,94
230	40,32
250	45,97
270	50,45
290	53,98
320	62,37
350	69,06
370	73,38
400	77,31
530	91,01
550	92,57

NB: see corresponding tabs for notes associated to each cut.

[c] calculated value

	<b>GOLIAT</b>					<b>41,3</b>
State	NORVEGIA	Report	0-GR-20	Record	GOL06.2022.12.ET	