

SPECIFICATION OF HEAVY FUEL OIL/MAZUT M100 (GOST 10585/75)

	COMPONENT	REMARKS	RESULT
1.	Ash content, not more %		0,14
2.	Mass fraction of Sulphur, not more %	low Sulphur residual oil	≤1,5
3.	Temperature of the flash, not less 0°C	in the closed crucible	>65
		In the open crucible °C	110 min
4.	The temperature of solidification, not higher	°C	25
5.	Kinematics viscosity		118 max
6.	Water content		0.5%
7.	Mechanical impurities		≤0.1%
8.	Acidity		≤5 mg KOH/ 100ml
9.	Alkalinity		nil
10.	Gross Calorific Value Kcal/kg / KJ/kg		Min9200/41300
11.	Density at 15.0 deg. C Kg/l		0.8900 – 0.9200
12.	Hydrogen Sulfide Content (H ₂ S) ppm		0.5 max
13.	Carbon Residual		≤7%
14.	Vanadium (V) ppm		23
15.	Aluminium (Al) ppm		5
16.	Silikon (Si) ppm		12
17.	Nickel (Ni) ppm		29
18.	Asphaltenes m/m		3.6%
19.	Distillation @ 4mm Hg Extracted to 760 mm/Hg		
		Initial Boiling Point °C	216
		5% recovered °C	259
		10% recovered °C	310
		20% recovered °C	358
		30% recovered °C	445
		40% recovered °C	502
		50% recovered °C	534
		60% recovered °C	538
		75% recovered °C	545
		80% recovered °C	–
		90% recovered °C	–
		Final Boiling point °C	550
		Percent Recovered Vol.	78%
		Total Nitrogen m/	22%
		Residu vol	0.192%
20.	Sodium (Na) ppm		15