



SPECIFICATIONS FOR RUSSIAN MAZUT M100 (GOST 10585-75)



COMPONENT	RESULT
1. Ash content, not more %	0.14
2. Mass fraction of sulfur, not more % - low - sulfur - residual - oil	0.5
3. Temperature of the flash, not less °C in the closed crucible	
In the open crucible °C	110 min
4. The temperature of solidification, not higher °C	25
5. Kinematics viscosity at 50 °C	118 max
6. Water content	0.5%
7. Mechanical impurities	Lower than 0.1%
8. Acidity	Lower than 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	0.880-0.9200
12. Hydrogen Sulfide Content (H ₂ S) pom	0.5 max
13. Carbon Residua	Lower than 7%
14. Vanadium (V) ppm	30 MAX
15. Aluminium (Al) ppm	5
16. Silikon (Si) ppm	12
17. Nickel (NI) ppm	49
18. Asphaltenes m/m	3.6%
19. Destilation @4 mm Hg	
Extracted to 760 mm Hg	
Initial Boiling Point deg. C	216
5% recovered deg. C	259
10% recovered deg. C	310
20% recovered deg. C	358
30% recovered deg. C	445
40% recovered deg. C	502
50% recovered deg. C	534
60% recovered deg. C	538
75% recovered deg. C	545
80% recovered deg. C	-
90% recovered deg. C	-
Final Boiling point deg. C	550
Percent Recovered vol	78%
Residue vol	22%
Total Nitrogen m/m	0.192%
20. Sodium (Na) ppm	15
21. K ppm	40
22. Ca ppm	10