

SPECIFICATIONS

SPECIFICATIONS OF: RUSSIAN FUEL OIL [M-100 GOST 10585(75 NICKEL 29)]

SPECIFICATION OF HEAVY FUEL OIL MAZUT M100		GOST 10585/75
COMPONENT		RESULT
1. ASH CONTENT, NOT MORE %		0.14
2. MASS FRACTION OF SULPHUR, NOT MORE %		0.5
- LOW - SULPHUR - RESIDUAL - OIL		
3. TEMPERATURE OF THE FLASH, NOT LESS °C IN THE		CLOSED CRUCIBLE
IN THE OPEN CRUCIBLE °C		110MM
4. THE TEMPERATURE OF SOLIDIFICATION, NOT HIAHER °C		25
5. KINEMATICS VISCOSITY AT 50°C		118 MAX
6. WATER CONTENT		0.5%
7. MECHANICAL IMPURITIES		LOWER THAN 0.1 %
8. ACIDITV		LOWER THAN
9. ALKALINITV		5MA KOH/LOOML
10. GROSS CALORIFIC VALUE KCAL/KQ I KJ/KA		NIL
11. DENSITY AT 15.0 DEG C (°C) KALL		MIN9200/41 300
12. HVDROGEN SULFIDE CONTENT (H25) OOM		0.890-0.9200
13. CARBON RESIDUA		0.5 MAX
14. VANADIUM		LOWER THAN 7%
(V) PPM		30 MAX
15. ALUMINIUM		5
(Al) PPM		
16. SILIKON (SI)		12
PPM		
17. NICKEL (NI) DDM		29
18. ASPHALTENES M/M		3.6%
19. DESTILATION @4 MM HA		
EXTRACTED TO 760 MM HA		
INITIAL BOILINA POINT DEG C (°C)		216
5% RECOVERED DEG C (°C)		259
10% RECOVERED DEO. C		310
20% RECOVERED DEG C (°C)		358
30% RECOVERED DEG C (°C)		445
40% RECOVERED DEG C (°C)		502
50% RECOVERED DEG C (°C)		534
60% RECOVERED DEG C (°C)		538
75% RECOVERED DEG C (°C)		545
80% RECOVERED DEG C (°C)		-
90% RECOVERED DEG C (°C)		-
FINAL BOILING POINT DEG C (°C)		550
PERCENT RECOVERED VOL		78%
RESIDUE VOL		22%
TOTAL NITROGEN M/M		0.192%
SODIUM (NA) PPM		15
		PANTONE 497
		≤1.6

SPECIFICATIONS OF: RUSSIAN FUEL OIL [M-100 GOST 10585(75 NICKEL 49)]

COMPONENT	RESULT
ASH CONTENT, NOT MORE % ~~~	0.14
MASS FRACTION OF SULPHUR, NOT MORE % ~~~ LOW SULPHUR RESIDUAL OIL	0.5
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 (°C) KG/1 ~~~	0.890-0.9200
12. HYDROGEN SULFIDE CONTENT (H2S) POM	0.5MAX
13. CARBON RESIDUA ~~~	LOWER THAN 7%
14. VANADIUM (V) PPM ~~~	23
15. ALUMINUM (AL) PPM ~	5
16. SILICON (SI) PPM ~	12
17. NICKEL (NI) PPM ~	49
18. ASPARTAMES M/M ~~~	3.6%
19. DISTILLATION @4 MM HG	
EXTRACTED TO 760 MM HG ~~~~~	
INITIAL BOILING POINT DEG C (°C) ~~~~~	216
5% RECOVERED DEG C (°C)	259
10% RECOVERED DEG C (°C)	310
20% RECOVERED DEG C (°C)	358
30% RECOVERED DEG C (°C)	445
40% RECOVERED DEG C (°C)	502
50% RECOVERED DEG C (°C)	534
60% RECOVERED DEG C (°C)	538
75% RECOVERED DEG C (°C)	545
80% RECOVERED DEG C (°C)	-
90% RECOVERED DEG C (°C)	-
FINAL BOILING POINT DEG C (°C)	550
PERCENT RECOVERED VOL.	78%
RESIDUE VOL.	22%
TOTAL NITROGEN M/M	0.192%
SODIUM (NA) PPM	15

HEAVY FUEL OIL / MAZUT M100/GOST 10585/99 NICKEL 29

COMPONENT	RESULT
1. ASH CONTENT, NOT MORE %	0.14
2. MASS FRACTION OF SULPHUR, NOT MORE % LOW- SULPHUR- 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	110
6. WATER CONTENT	0.5%
7. MECHANICAL IMPURITIES	LOWER THAN 0.1%
8. ACIDITY	LOWER THAN 5 MG KOH/ 100 ML
9. ALKALINITY	NIL
10. GROSS CALORIFIC VALUE KCAL/KG/ KJ/KG	MIN 9200/41300
11. DENSITY AT 15.0 DEG C (°C) KG/L	0.8900-0.9200
12. HYDROGEN SULFIDE CONTENT (H ₂ S) POM	0.5 MAX
13. CARBON RESIDUAL	LOWER THAN 7%
14. VANADIUM (V) PPM	23
15. ALUMINUM (Al) PPM	5
16. SILIKON (SI) PPM	12
17. NICKEL (NI) PPM	29
18. ASPHALTENES M/M	3.6%
19. DISTILLATION @ 4 MM HG EXTRACTED TO 760 MM HG INITIAL BOILING POINT DEG C (°C)	216
5% RECOVERED DEG C (°C)	259
10% RECOVERED DEG C (°C)	310
20% RECOVERED DEG C (°C)	358
30% RECOVERED DEG C (°C)	445
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75% RECOVERED DEG C (°C)	545
80% RECOVERED DEG C (°C)	-
90% RECOVERED DEG C (°C)	-
FINAL BOILING POINT DEG C (°C)	550
20. PERCENT RECOVERED VOL	78%
21. RESIDUE VOL	22%
22. TOTAL NITROGEN M/M	0.192%
23. SODIUM (NA) PPM	15

**SPECIFICATIONS OF: RUSSIAN FEUL OIL [M-100 GOST 10585/99]
QUALITY CERTIFICATE (ГОСТ 10585-99 NICKEL 49)**

COMPONENT / ПОКАЗАТЕЛЬ	RESULT / ЗНАЧЕНИЕ
1. ASH CONTENT (ЗОЛЬНОСТЬ НЕ БОЛЕЕ)) NOT MORE %	0.08-0.09
2.MASS FRACTION OF SULPHUR, NOT MORE % (ДОЛЯ СЕРЫ 1 ГРУППЫ НЕ БОЛЕЕ)	0.5
3.TEMPERATURE OF THE FLASH, NOT LESS ° C IN THE CLOSED CRUCIBLE ° C IN THE OPEN CRUCIBLE ° C (ТЕМПЕРАТУРА ВСПЫШКИ В ОТКРЫТОМ ТИГЛЕ)	110 MIN
4.THE TEMPERATURE OF SOLIDIFICATION, NOT HIGHER °C (ТЕМПЕРАТУРА ЗАСТЫВАНИЯ)	25
5.KINEMATICS VISCOSITY (КИНЕМАТИЧЕСКАЯ ВЯЗКОСТЬ)	118 X 10 -6 MAX
6. WATER CONTENT (СОДЕРЖАНИЕ ВОДЫ)	0.5%
7.MECHANICAL IMPURITIES / SEDIMENT	0.1-0.15 MAX
8.ACIDITY (КИСЛОТНОСТЬ)	LOWER THAN 5MG
9.ALKALLNLTY (ЩЕЛОЧНОСТЬ)	NIL
10.GROSS CALORIFIC VALUE KCAL/KG/KJ/KG (ТЕПЛОТА СГОРАНИЯ (НИЗШАЯ))	MIN9200/41300
11.DENSITY AT 15.0 DEG.C KG/ (ПЛОТНОСТЬ ПРИ 150С)	0.8900-0.9200
12.HYDROGEN SULFIDE CONTENT (СОДЕРЖАНИЕ H2S)	1.0 MAX
13.CARBON RESIDUA (ОСТАТОК УГЛЕРОДА)	LOWER THAN 6/-1%
14.VANADIUM (V) PPM (ДОЛЯ ВАНАДИЯ)	98-102 MAX
15. ALUMINUM (AL) PPM (ДОЛЯ АЛЮМИНИЯ)	5
16.SILLCON (SI) PPM (ДОЛЯ КРЕМНИЯ)	12
17.NICKEL (NI) PPM (ДОЛЯ НИКЕЛЯ)	49
18.ASPHALTENES M/M (ДОЛЯ АСФАЛЬТЕНОВ)	3.6%
19.DESTILATION MMHG 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 BOILONG POINT DEG.C	550
PERCENT RECOVERED VOL (ВОССТАНОВЛЕННЫЙ ОБЪЕМ)	78%
RESIDU VOL	22%
TOTAL NITROGEN M/M (ДОЛЯ АЗОТА)	0.192%
20. SODIUM(NA)PPM (НАТРИЙ)	15

