

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	5MA KOH/LOOML
9. ALKALINITV			NIL
10. GROSS CALORIFIC VALUE KCAL/KQ I KJ/KA			MIN9200/41 300
11. DENSITY AT 15.0 DEG C (°C) KALL			0.890-0.9200
12. HVDROGEN SULFIDE CONTENT (H25) OOM			0.5 MAX
13. CARBON RESIDUA			LOWER THAN 7%
14. VANADIUM		(V) PPM	30 MAX
15. ALUMINIUM		(AI) PPM	5
16. SILIKON (SI)		PPM	12
17. NICKEL LNI} 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/I	0.8900-0.9200
12. HYDROGEN SULFIDE CONTENT (H2S) POM	0.5 MAX
13. CARBON RESIDUAL	LOWER THAN 7%
14. VANADIUM (V) PPM	23
15. ALUMINUM (AI) 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
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
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 4**

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

