



INJECTION REPORT CERTIFICATE OF QUANTITY
CERTIFICATE OF QUANTITY №: RU-VN/BL110964
OPEN/CLOSE

Location: Vyborgsky District, Leningrad Oblast

Product: Russia *JET FUEL A1*

Measurement by: Tank Radar

Grand Gross total	Cubic meter at 150 C	US barrels at 600F	Metric Ton (Vac)
	59171m	500,000	59171.59763314
GrandNetTotal	Cubicmeterat15⁰C	USbarrelsat60⁰F	Metric Ton(Vac)
	59171m	500,000	59171.59763314

500000US bbl oil= 20999999US gal lqd 5.710583US pt lqd

Техническая характеристика резервуара
Номер резервуара BL901/BL910
емкость резервуара 160.000.cu.m³
диаметр 85.3 m
высота 18 m
поддерживаемые нефтепродукты
продукты

Technical characteristics of tank
Tank number BL901 BL910
Tank Capacity 160.000.cu.m³
Diameter 85.3 m
Height 18 m
Supported products Oil product

Товарный оператор нефтебазы
Ф.И.О. Селеневич Николай Иванович
Телефон +79257261115
эмейл info@bulklines.ru

Tankfarm Operator
Name(s) Selenevich Nikolai Ivanovich
Telephone +79257261115
E-mail info@bulklines.ru

Безопасности Контактное лицо: Игорь К Петрович
Тел: +79257261115
Средняя плотность в 150C, kgl: 0.7860
Продукт получил для хранения в: Селеневич
Николай Иванович
Дата: Февраль, 2019г

Security contact person: Mr. Igor K Petrovich
Tel: +79257261115
Average density at 150C, kgl: 0.7860
Product received for storage by: Selenevich Nikolai
Ivanovich,
Head of Operation
Date: February, 2019

Продукт передал на хранение
(И.о.н) Светланова Алина Федоровна
Директор

Product handed over for storage
by: Mr. Svetlanova Alina Fedorovna



ULLAGETANKREPORT

Shore tank report Quantity calculations are based on

[REDACTED]

[REDACTED]

Location: Primorsk Russia:

[REDACTED]

[REDACTED]

Product: JET FUEL A1

[REDACTED]

Measurement by: Tank Radar

TankNo: BL901/BL910		
100%CapacityofTanks	CuMeters	160.000.cu.m3
Ullage	Meters	0.500
TotalObservedVolume	CuMeters	164,025.70
Freewater	Freewater	
FreewaterVolume	CuMeters	
RoofCorrection(calculated)	CuMeters	
Calculatedshellcorrectionfactor(CTSH)		1.00000
GrossObservedVolume	CuMeters	164,025.70
Densityat15°C	Kg/l	0.7860
Observedtemperature	°C	34.00
VolumeCorrectedFactor(VCF)	Table54B	0.9870
GrossstandardVolumeat15°C	CuMeters	182,851.913
Sediments&Water	Volume%	0.103
Correctionforsediment&water		0.999
NetStandardVolumeat15°C	CuMeters	182,198.493
GrossMetricTons	(Vac)	158,166.9045
NetMetricTons	(Vac)	157,601.6961
DifferenceGSVat15°C	CuMeters	182,851.91
DifferenceGrossMetricTons	(Vac)	158,166.90
DifferenceNSVat15°C	CuMeters	182,198.49
DifferenceNetMetricTons	(Vac)	157,601.69

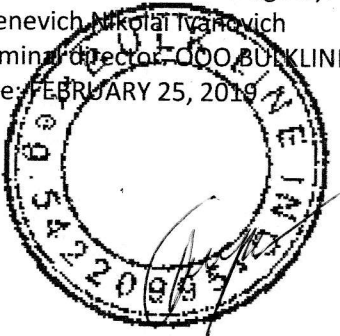
Grand Gross Total	Cubic Meter at 15°C	US Barrels at 60°F	Metric Ton(Vac)
	59171m	500000	59171.59763314
Grand Net Total	Cubic Meter at 15°C	US Barrels at 60°F	Metric Ton(Vac)
	59171m	500000	59171.59763314

Product received for storage by:

Selenevich Nikolai Ivanovich

Terminal Director, OOO BULK LINES

Date: FEBRUARY 25, 2019





CERTIFICATE OF QUALITY, CERTIFICATE OF QUALITY No: RU VN/BL110964
In pursuance of an order for analysis given to us,



Report No.: A1901910	Date of report: 25 February ,2019	Inspection date: 1th March ,2019
Tank No: BL901/BL910	Sample submitted: Russian Origin <i>JET FUEL A1</i>	Sample Drawn: by in line auto sampler
Testing Performed by: OOO BULK LINES Laboratory		For the client: « OAO VANINSKY NPZ »

ANALYSIS: Sample was analyzed according to GOST methods. The following are the result of analysis performed at the BULK LINES Laboratory Primorsk.

Analytical report result JET FUEL A1

PARAMETERS	TEST METHOD(s)	RESULT
Density at 150C Kg/L	GOST 3900	0.7860
Atmospheric distillation		
Fractional temperature	GOST 2177	148
-10 % is distilled under the temperature °C not more	GOST 2177	163
-50 % is distilled under the temperature °C not more	GOST 2177	183
-90 % is distilled under the temperature °C not more	GOST 2177	210
-98 % is distilled under the temperature °C not more	GOST 2177	224
Kinematic viscosity @ 20° C cst, not below	GOST 33	1,39
Kinematic viscosity @ minus 20° C cst, not below	GOST 33	3
Lowest heat of combustion kJ/kg, min	GOST 11065	43282
Height of not smoking flame	GOST 4338	25
Acidity mg KOH on 100 cm ³ , of fuel, max	GOST 5985	0,11
Iodine index g of iodine on 100 g of fuel, max	GOST 2070	0,21
Flash point in closed crucible, °C, min	GOST 6356	40
Temperature of cloudiness °C, max	GOST 5066	minus 60
Thermal-oxidative stability in static conditions at 150 °C - sediment concentration, mg/100 cm ³ , not more	GOST 11802	0,8
Concentration of soluble resins , mg/100 cm ³ ,not more	GOST 11802	8
The concentration of non-soluble resins, mg/100 m ³ , not more	GOST 11802	NIL

Measure taken from: Vapour Locks

OOO BULK LINES Laboratory
Date: FEBRUARY 25, 2019
Mr. Salehevich Nikolai Ivanovich
E-mail: info@bulklines.ru



For and on behalf of
Intertek
Caleb Brett
ITS. Caleb Brett/Deniz Survey S.A