**JSC “Naftan”, Novopolotsk**

PASSPORT № 2552

**DIESEL FUEL**

STB 1658-2015

**Diesel Fuel grade F**

Date of production**: 26.11.2017**

Tank: № 291 Net weight: 7094 tonns

Lot number: 2552 Registration number of sample: 53098

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| **No** | **Parameter description** | **Required as per TR of CU 013/2011** | **Required as per STB 1658-2015** | **Factually** | **Test methods** |
| 1 | Cetane number, min | 47 | 51,0 | 51,4 | GOST ISO 5165-2014 |
| 2 | Cetane index, min | - | 46,0 | 53,3 | STB ISO 4264-2003 |
| 3 | Density at 15°C, kg/m3 | - | 820,0-845,0 | 837,9 | STB ISO 12185-2007 |
| 4 | Mass fraction of polycyclic aromatics hydrocarbons, % , max | 8 | 8,0 | 4,1 | GOST EN 12916-2017 |
| 5 | Sulphur contents, mg/kg, max | 10 | 10,0 | 7,2 | STB ISO 20846-2005 |
| 6 | Flash point in closed cup, °C, above | no below 30 | 55 | 72,5 | STB ISO 2719-2002 |
| 7 | Coking power of 10-% residue, %, max | - | 0,30 | 0,01 | GOST ISO 10370-2015 |
| 8 | Ash contents, %, max | - | 0,01 | 0,001 | STB ISO 6245-2003 |
| 9 | Water contents, mg/kg, max | - | 200 | 25 | STB ISO 12937-2003 |
| 10 | Contents of mechanical impurities, mg/kg, max | - | 24 | 6,2 | STB EN 12662-2010 |
| 11 | Copper plate testing (3 hrs at 50°C), class | - | Class 1 | Class 1 | STB ISO 2160-2003 |
| 12 | Oxidation stability, g/m3, max | - | 25 | 6 | STB ISO 12205-2003 |
| 13 | Lubricating property- wear scar diameter (WSD 1,4) at 60 °C, mcg, max | 460 | 460 | 391 | GOST ISO 12156-1-2012 |
| 14 | Viscosity at 40°C, mm2/s | - | 2,00 - 4,50 | 3,065 | STB ISO 3104-2003 |
| 15 | Distillation:- Distilled at 250 °C, %(vol.), less than- Distilled at 350 °C, %(vol.), min- 95% (vol) distilled at °C, max | --360 | 6585360 | 29,595,2349,1 | GOST ISO 3405-2013 |
| 16 | CFPP, °C, max | Minus 20 | -20 | -26 | GOST EN 116-2017 |

*Information about additives*: contains lubricating additive DC 7739, depressant-dispersing additive Keroflux 5695.

In production of Diesel fuel don’t use FAME, MMT and other additives with manganese.

Information on declaration of compliance: No TC BY/112 11.01. TP 013 002 03567, valid till 28.02.2021.

**Conclusion**: product corresponds to the requirements of STB 1658-2015 and technical regulations of CU 013/2011 (ecological class 5).

Warranty period – 1 year from a date of production.