**JSC “Naftan”, Novopolotsk**

PASSPORT № 1338

**DIESEL FUEL**

STB 1658-2015

Type **DT-L-K4 grade C**

Date of production: ***01.08.2017***

Tank: № 455 Net weight: 12198 tonns

Registration number of sample: 35276 Lot number: 1599

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| --- | --- | --- | --- | --- |
| **No** | **Parameter description** | **Requirements according to**  **TRLA** | **Factually** | **Test methods** |
| 1 | Cetane number, min | 51,0 | 52,5 | STB ISO 5165-2014 |
| 2 | Cetane index, min | 46,0 | 54,6 | STB ISO 4264-2003 |
| 3 | Density at 15°C, kg/m3 | 820,0 - 845,0 | 836,1 | STB ISO 12185-2007 |
| 4 | Mass fraction of polycyclic aromatics hydrocarbons, % , max | 8,0 | 4,4 | GOST EN 12916-2012 |
| 5 | Sulphur contents, mg/kg, max | 50,0 | 31,5 | STB ISO 20846-2005 |
| 6 | Flash point in closed cup, °C max | 55 | 78,0 | 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 | 31 | STB ISO 12937-2003 |
| 10 | Contents of mechanical impurities, mg/kg, max | 24 | 6,3 | 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 | 409 | GOST ISO  12156-1-2012 |
| 14 | Viscosity at 40°C, mm2\s | 2,00 - 4,50 | 2,963 | 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 | 65  85  360 | 27,5  97,1  343,5 | GOST ISO 3405-2013 |
| 16 | CFPP, °C, max | -5 | -8 | GOST EN 116-2013 |

**Conclusion: product corresponds to the requirements of STB 1658-2015.**

In production of Diesel fuel don’t use FAME.

Warranty period – 1 year from a date of production.