PASSPORT No315

OJSC Naftan, Novopolotsk

Republic of Belarus

DIESEL FUEL

STB 1658-2012

Type DT-Z-K5 grade F

Date of production: 09.02.2016

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| **No** | **Parameter description** | **Required as per TR of CU 013\2011** | **Required as per STB 1658-2012** | **Actual value** | **Test methods** |
| 1 | Cetane number, min | 47 | 51,0 | 51,6 | STB ISO 5165-2002 |
| 2 | Cetane index, min | - | 46,0 | 53,9 | STB ISO 4264-2003 |
| 3 | Density at 15°C, kg\m3 | - | 820,0-845,0 | 829,0 | STB ISO 12185-2007 |
| 4 | Mass fraction of polycyclic aromatics hydrocarbons, % , max | 8 | 8,0 | 2,1 | STB EN12916-2012 |
| 5 | Sulphur content, mg\kg, max | 10 | 10,0 | 8,8 | STB ISO 20846-2013 |
| 6 | Flash point in closed cup, °C max | 30 min | 55 | 55,5 | STB ISO 2719-2002 |
| 7 | Coking power of 10-% residue, %, max | - | 0,30 | 0,01 | STB ISO 10370-2003 |
| 8 | Ash content, %, max | - | 0,01 | 0,001 | STB ISO 6245-2003 |
| 9 | Water content, mg\kg, max | - | 200 | 49 | STB ISO 12937-2003 |
| 10 | Content 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 | 9 | STB ISO 12205-2003 |
| 13 | Lubricating property  - wear scar diameter (WSD 1,4) at 60 °C, mcg, max | 460 | 460 | 413 | STB ISO 12156-2011 |
| 14 | Kinematic viscosity at 40°C, mm2\s | - | 2,00-4,50 | 2,596 | 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 | 65  85  360 | 39,4  96,0  346,2 | STB ISO 3405-2003 |
| 16 | CFPP, °C, max | Minus 20 | -20 | -29 | STB EN 116-2002 |

Information on additives: contains depressor- dispersion additive Dodiflow 8055, lubricating additive EC5719.

Information on declaration of compliance: No TC BY\112 11.01. TP013 002 01678, valid till 06.11.2019.

Conclusion: product corresponds to the requirements of STB 1658-2012 and technical regulations of CU 013\2011 (ecological class 5).