OJSC Mozyr OR

Passport N0246

Diesel fuel DT-Z-K5, grade F

STB 1658-2012

Date of production: 08.02.2016

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| --- | --- | --- | --- | --- | --- | --- |
| No | Parameter | Unit | Norm as per TR CU 013\2011 for ecol.class K5 | Test method | Value as per STB 1658-2012 | Actual value |
| 1 | Cetane number, min |  | 47 | STB ISO 5165 | 51,0 | 53,0 |
| 2 | Cetane index, min |  | - | STB ISO 4264 | 46,0 | 56,1 |
| 3 | Density at 15°C | kg\m3 | - | STB ISO 12185 | 820,0-845,0 | 825,4 |
| 4 | Mass fraction of polycyclic aromatics hydrocarbons, max | % | 8 | GOST EN 12916 | 8,0 | 1,1 |
| 5 | Sulphur content, max | mg\kg | 10 | GOST ISO 20846 | 10,0 | 7,1 |
| 6 | Flash point in closed cup, | °C | Min 30 | STB ISO 2719 | Higher 55 | 70 |
| 7 | Coking power of 10-% residue, max | % | - | STB ISO 10370 | 0,30 | 0,01 |
| 8 | Ash content, max | % | - | STB ISO 6245 | 0,01 | 0.001 |
| 9 | Water content, max | mg\kg | - | STB ISO 12937 | 200 | 45 |
| 10 | Content of mechanical impurities, max | mg\kg | - | STB EN 12662 | 24 | 14,0 |
| 11 | Copper plate testing (3 hrs at 50°C) | class | - | STB ISO 2160 | Class 1 | Class 1 |
| 12 | Oxidation stability, max | g\m3 | - | STB ISO 12205 | 25 | 10,0 |
| 13 | Lubricating property  - wear scar diameter (WSD 1,4) at 60 °C, max | mcg | 460 | STB ISO 12156-1 | 460 | 374 |
| 14 | Kinematic viscosity at 40°C | mm2\s | - | STB ISO 3104 | 2,00-4,50 | 2,65 |
| 15 | Distillation:  - Distilled at 250 °C, less than  - Distilled at 350 °C, min  - 95% (vol) distilled at, max | %(vol.)  %(vol.) °C | -  -  360 | STB ISO 3405  (ISO 3405) | 65  85  360 | 39,9  More 85  344,5 |
| 16 | CFPP, max | °C | Minus 20 | STB EN 116 | Minus 20 | Minus 26 |

Information on additives: contains depressor- dispersion and lubricating additive, no metal-containing additives.

Information on declaration of compliance: No TC BY\112 11.01. TP013 002 03202, valid till 20.12.2018.

Conclusion: standard product corresponds to the requirements of STB 1658-2012 and technical regulations of CU 013\2011 for ecological class K5.

Information for customers:

Cloud point, °C, STB-EN 23015 – minus 2