

**JSC “Naftan”, Novopolotsk**

PASSPORT № 1795

**DIESEL FUEL**

STB 1658-2015

Type **DT-Z-K5 grade F**Date of production: **02/11/2019**

Tank: № 045

Net weight: 3810 tons

Lot number: 1795

Registration number of sample: 43371

No	Parameter description	Required as per STB 1658-2015	Factually	Test methods
1	Cetane number, min	51,0	52,0	GOST ISO 5165-2014
2	Cetane index, min	46,0	54,2	STB ISO 4264-2003
3	Density at 15°C, kg/m <sup>3</sup>	820,0-845,0	833,7	STB ISO 12185-2007
4	Mass fraction of polycyclic aromatics hydrocarbons, %, max	8,0	1,6	GOST EN 12916-2017
5	Sulphur contents, mg/kg, max	10,0	8,3	GOST ISO 20846-2016
6	Flash point in closed cup, °C, above	55	62,5	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	19	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/m <sup>3</sup> , max	25	6	STB ISO 12205-2003
13	Lubricating property - wear scar diameter (WSD 1,4) at 60 °C, mcg, max	460	375	GOST ISO 12156-1-2012
14	Viscosity at 40°C, mm <sup>2</sup> /s	2,00-4,50	2,887	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	32,8 95,1 349,8	GOST ISO 3405-2013
16	CFPP, °C, max	-20	-24	GOST EN 116-2017

Information about additives: contains depressant-dispersing additive Dodiflow S-184, lubricating additive ES 5719A.

During the production of diesel fuel FAME, MMT and other additives with manganese are not used..

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

Warranty period – 1 year from the date of production.