DIESEL FUEL

MOZYR OR

Diesel fuel STB 1658-2012

Intended for used in diesel engines. The diesel fuel quality meets the requirements of the European standard EN 590.

For use in the temperate climate conditions, the following grades of diesel motor fuel are offered: **Diesel fuel DT-L-K5, grade C** – filterability temperature limit: -5°C max; **Diesel fuel DT-Z-K5, grade F** – filterability temperature limit: -20°C max. Other most important requirements and specifications are presented below.

For use in winter and severe arctic

Characteristic	Units	Minimum	Maximum
1. Cetane number		**51,0**	
2. Cetane index		**46,0**	
3. Density at 15° C	kg/m³	**820,0**	**845,0**
4. Polycyclic aromatic hydrocarbons	% (m/m)	**-**	**8,0**
5. Sulfur content	mg/kg		**10,0**
6. Flash point	°C	**above 55**	**-**
7. Carbon residue (on 10 % distillation residue)	% (m/m)	**-**	**0,30**
8. Ash content	% (m/m)	**-**	**0,01**
9. Water content	mg/kg	**-**	**200**
10. Total contamination	mg/kg	**-**	**24**
11. Copper strip corrosion (3 h at 50 ºC)	rating	**class 1**	
12. Oxidation stability	g/m^3	**-**	**25**
13. Lubricity, corrected wear scar diameter (WSD 1.4) at 60°C	µm	**-**	**460**
14. Viscosity at 40 ºC	mm^2/s	**2,00**	**4,50**
15. Distillation:			
% (V/V) recovered at 250°C			**< 65**
% (V/V) recovered at 350°C		**85**	
95 % (V/V) recovered at	°C		**360**

climates **diesel fuel DT-Z-K5, class 2** and **diesel fuel DT-A-K5, class 4** are offered:

Characteristic	Units	Minimum	Maximum
1. Cetane number: DT-Z-K5, class 2 DT-A-K5, class 4		 **48,0** **47,0**	 **-** **-**
2. Cetane index: DT-Z-K5, class 2 DT-A-K5, class 4		 **46,0** **43,0**	 **-** **–**
3. Density at 15 ^{0}C	kg/m^3	**800,0**	**840,0**
4. Polycyclic aromatic hydrocarbons	% (m/m)	**–**	**8,0**
5. Sulfur content	mg/kg	**–**	**10**
6. Flash point	^{o}C	**Above 55**	**–**
7. Carbon residue (on 10 % distillation residue)	% (m/m)	**–**	**0,30**
8. Ash content	% (m/m)	**–**	**0.01**
9. Water content	mg/kg	**–**	**200**
10. Total contamination	mg/kg	**–**	**24**
11. Copper strip corrosion (3 h at 50 ^{0}C)	rating	**class 1**	
12. Oxidation stability	g/m^3	**–**	**25**
13. Lubricity, corrected wear scar diameter (WSD 1,4) at 60 ^{0}C	µm	**–**	**460**
14. Viscosity at 40 ^{0}C: DT-Z-K5, class 2 DT-A-K5, class 4	mm^2/s	 **1,50** **1,20**	 **4,00** **4,00**
15 Distillation: - % (V/V) recovered at 180 ^{0}C - % (V/V) recovered at 340 ^{0}C	 % (V/V) % (V/V)	 **95**	 **10**
16. CFPP: DT-Z-K5, class 2 DT-A-K5, class 4	^{o}C	 **-** **–**	 **minus 32** **minus 44**
17. Cloud point: DT-Z-K5, class 2 DT-A-K5, class 4	^{o}C	 **-** **–**	 **minus 22** **minus 34**