ТОПЛИВО Традиции заедно от 1947г!	COMPANY TECHNICAL SPECIFICATION	
	FUEL FOR DIESEL ENGINES	

1. Technical requirements

№	Property	Units	Norms		Method
			min	max	
1.	Density at 15 °C	kg/m^3	820,0	845,0	BDS EN ISO 3675*BDS EN ISO 12185
2.	Cetane Number		51,0	-	BDS EN ISO 5165
3.	Cetane Index		46,0	-	BDS EN ISO 4264
4.	Mass Fraction of Sulfur	mg/kg	-	10,0	BDS EN ISO 20846
5.	Flash Point by Pensky-Martens Closed Cup Manual Tester	^{0}C	Above 55	-	BDS EN ISO 2719
6.	Carbon Residue (on 10 % Dist Residue)	% (m/m)	-	0,30	BDS EN ISO 10370
7.	Ash Content	% (m/m)	-	0,01	BDS EN ISO 6245
8.	Copper Corrosion (3 h / 50°C)	клас	1		BDS EN ISO 2160
9.	Kinematic Viscosity at 40 °C	mm^2/s	2,00	4,50	BDS EN ISO 3104
10.	Water Content by Coulometric KF	mg/kg	-	200	BDS EN ISO 12937
11.	Total Contamination	mg/kg	-	24	BDS EN 12662
12.	Oxidation Stability of Middle Distillate Fuels	g/m^3 h	- 20	25 -	BDS EN ISO 12205 BDS EN 15751
13.	Mean wear scar diameter (wsd 1,4) at 60°C	µm	-	460	BDS EN ISO 12156-1
14.	Aromatic Hydrocarbon Types in Middle Distillates by HPLC	% (m/m)	-	8,0	BDS EN 12916
15.	Distillation Characteristics • Recovered at 250 °C • Recovered at 350 °C • 95 % Recovered at	 % (V/V) % (V/V) ^{0}C	 - 85 -	 <65 - 360	BDS EN ISO 3405
16.	Cold Filter Plugging Point (CFPP) • Class A • Class E	^{0}C	 - -	 5 minus 15	BDS EN 116
17.	Fatty Acids Methyl Ester - Range A	% (V/V)	-	7,0	BDS EN 14078
18.	Specific heat of combustion (lower)**	MJ/kg	41,868	-	ASTM D 4868 ASTM D 240
19.	Manganese	mg/l	-	2,0	BDS EN 16576

Class A - summer – from 16.04 till 15.10 Class E - winter - from 16. 10 till 15. 04

Notes:

- *Arbitration method
- ** The indicator is analyzed only upon special request from the client.

2. **Product description**

Colorless to yellowish, highly flammable liquid with specific odor. Fuel for engines adapted to run on diesel fuel.

3. Method of production and sampling

3.1 Diesel fuels are obtained by mixing distillate fractions from primary and secondary oil processing. Insertion of grafts is allowed.

3.2 Sampling for analysis is carried out in batches according to BDS EN ISO 3170.

"Batch" is a quantity of one type or brand of liquid fuel, uniform in quality, produced by the same technology, stored in one or more tanks and accompanied by one test document.

4. Packaging, marking, storage

Storage is carried out in closed stationary tanks, intended only for this product.

5. Transportation and documentation

5.1 Transportation is carried out by tankers, road and rail. tanks meeting the requirements for the carriage of liquid flammable substances.

5.2 According to the UN classification, the product is UN №1202.

5.3 Each shipped quantity of diesel fuel is accompanied by a Declaration of Conformity, according to the Ordinance on the requirements for the quality of liquid fuels, the conditions, order and manner of their control.

5.4 For each batch of diesel fuel, a Protocol or Test Certificate is issued by an accredited laboratory with the results of the analyzes under item 1.

5.5 The user is provided with a Safety Data Sheet (SDS) of the product, before or during the first delivery.

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