TURKMENISTAN
TURKMENBASHY OIL REFINERY COMPLEX

HYDROTREATED DİESEL FUEL
TŞ- 05766698-02-2012

№	Description of index	Figure
1	Mass portion of sulfur,ppm,not more than	0,01(100)
2	Fraction composition: -95%- ºC, not more than:	 340
3	Cetane index, not less than	50
4	Presence of water, ppm, not more than	200
5	Pour point, ºC, no more than	-30
6	Color, not more than -by ASTM -by SNT	 2.0
7	Flash point in close cup, ºC, not less than	62
8	Mass portion of poly aromatics, %, not more than	11
9	Density 15 ºC, kg/m^3 not more than	840
10	Mass portion of nitrogen, ppm, not more than	30
11	Copper plate testing	Ok
12	Filtering factor, not more than	3.0
13	Kinematik viscosity 20 ºC mm^2/s (sST)	No
14	Ash contents, % weight, not more than	0.25
15	Carbon residue of 10 % remainder, %, not more than	0.005

TURKMENISTAN
Turkmenbashy Oil Refinery complex

DIESEL OIL FROM LITTLE SULFUROUS CRUDE OIL

TŞ 05766698-06-2005

№	Description of index	figure
1	Cetane number, not less than	45
2	Fraction composition: - 50% ^{0}C, not more than - 96% ^{0}C, not more than	 290 360
3	Kinematic viscosity 20^{0}C, mm^2/s, (sSt)	3,0-6,0
4	Pour point, ^{0}C, not more than	- 10
5	Cloud point, ^{0}C, not more than	- 5
6	Flash point in close cup, ^{0}C, not less than - for diesel locomotive and ship engines and gas turbines - for diesels of the general-purpose - for diesels of the general-purpose	 62 50 40
7	Mass portion of sulfur, %, not more than	0,2
8	Mass portion of mercaptane sulfur, %, not more than	0,008
9	Mass portion of hydrogen sulfide	no
10	Copper plate testing	ok
11	Presence of acids and bases, soluble in water	no
12	Actual resin concentration, mg 100 sm^3 fuel, not more than	40
13	Acidity, mg KOH by 100 sm^3, not more than	10
14	Iodine number, mg I_2 for 100g, not more than	6
15	Ash contents, % weight, not more than	0,005
16	Carbon residue of 10% remainder %, not more than	0,25
17	Filtering factor, not more than	3,0
18	Presence of mechanical impurities	no
19	Presence of water	no
20	Density 20^{0}C, kg/m^3, not more than	860

Note:

1. From 1 March before 1 November production and using fuel allowed with pour point not above 0 ^{0}C (without determination of the cloud point) and contents of water not more “traces”.
2. A filtering factor is defined in reservoir of the transfer base, but plant guarantees correspondence of the rate, specified in standard specifications.
3. Factor on points 1, 7, 8, 9, 15 are defined seasonally, once at 10 days.