D 2 (DIESEL) GAS OIL LO.2/62 SPECIFICATIONS

Specifications Corresponding To - GOST 305-82

Property	Unit	Results
Cetane index		45
Distillation Range:		
	50% Recovered MBC Volume °C	280
	90% Recovered CFU Volume °C	360
Kinematic Viscosity @ 20°C Cst 3.0 6.0		
	Kinematic viscosity under 20 °C cct	4.3
*Solidification °C		-10
*Temperature of cloudiness °C		-5
Min Locomotive and vessel diesel and gas turbines		63
Fraction of total mass of sulphur in per cents		0.2
Fraction of total mass of merchantman sulphur per cents		0.01
Content of hydrogen sulfide		is absent
Test on copper plate		passed
Content of water - soluble acid and alkali		is absent
Content of actual tar mg on 100 cm cub, of fuel		20
Content of water		is absent
Acidity mg KOH on 100 cm cub, of fuel		0.5
Iodine index g of iodine on 100 g of fuel		2
Ash content %		0.005
Cocking of 10 - per cents remainder, %		0.5
Coefficient of filtration		2.0
Content of mechanical admixtures		is absent
Density under 20°C kg on m cub		832
Colour,		2
Bacteriae OFU Fibre/it		1000

Guaranteed period of storage - 5 (five) years from the day of production

(*) Summer from march to October (PP-5.0 C) (CP 0 C) Winter from November to February (PP -10.0 C) (CP - 5.0 C)

Property Units Unit Results Minimum Maximum

Density @ 20°C Kg./m3 0.860
Colour 2.0
Flash Point PMCC °C 57 62
Kinematic Viscosity @ 20°C Cst 3.0 6.0
Pour Point °C *-10.0
Cloud Point °C *-5.0
Mercaptan Sulphur 0.01
Acidity Mg/1000cm3 5
Iodine Number g/100g 6
Ash % wt. 0.01
Total Sulphur % wt. 0.20
Copper Corrosion 3 hrs. @ 50°C 1A
CCR on 10% residues % wt. 0.20

Bacteria MBC Fibre/lt 500
Bacteria CFU Fibre/lt 1,000

**Summer from March to October (PP -5°C) (CP 0.0°C),*
Winter November to February (PP -10.0°C) (CP -5.0°C)

D 2 (DIESEL) GAS OIL LO.2/62 SPECIFICATIONS

Specifications Corresponding To - GOST 305-82

Property		Limit		Test method
		Grade A	*Grade B*	
Density at 15C Kg/M3	Range	820-860	820-87	ASTM D-1298
Colour, ASTM	Max	0.5	2	ASTM D-1500
Cetarse Index	Min	50	50	ASTM D-976
Diesel Index	Min		53	LP-21
Kinematic Viscosity mm2/2				ASTM D-445
At 40C	Range	1.5-5-5.5	1.5-5.2	
At 30C	Range	9.0-6.5		ASTM D-2500
Cloud Point C	Max	0[S]; 2[W]	-2	ASTM D97
Pour Point C	Max		-3[a]	IP-309
Cold Filter Plugging Point [CFPP] C	Max	10[S];13[W]		ASTM D-4294, IP242 or SMS-1807
Sulphur Total % Mass	Max	0.3	1.0[b]	ASTMD-130
Copper Corrosion (3 h @ 100 C	Max	1	1	ASTM D-524
Carbon Residue (RCR on %10 bottoms) %W	Max	0.20	0.20	
Water content % vol.	Max	0.03	0.05	ASTM D-95
Sediment Content % mass	Max	0.01	0.01	ASTM D-473
Ash Content % mass	Max	0.01	0.01	ASTM D-482
Flash Point PMcc C	Min	62	52	ASTM D-93
Acid Number mg KOH/g				ASTM D-974
Strong	Max	Nil	Nil	
Total	Max	0.5	0.5	
Distillation ASTM				ASTM D-86
Recovery at 250C %vol.	Max	65		
Recovery at 350C %vol.	Min	85[c]		
Recovery at 357C %vol.	Min		90	

[a] For Saudi Aramco supply to Saudi Arabian destination, Pour Point specification is "Report".
[b] Grade "B" transfer specification for Sulphur is Max. 0.5% mass.
[c] For Japanese market, additional Grade "A" specification:
90% vol. At Max 350C
95% vol. At Min. 321C
[S] = Summer and [W] = Winter

MARINE DIESEL FUEL / INDUSTRIAL DIESEL OIL SPECIFICATION

Property	Limit			Test method
	Min	*Max*	*ASTM*	*Others*
Specific Gravity at 60/60 degrees F	0.840	0.920	D-1298	
Viscosity Redwood 1/100 degrees F secs	35	45	D-445*)	IP 70
Pour Point degrees F	-	65	D-97	
Sulphur Content %wt	-	1,5	D - 1551/ D - 1552	
Conradson Carbon Residue %wt	-	1,0	D-189	
Water content %vol	-	0.25	D-95	
Sediment %wt	-	2.02	D-473	
Ash %wt	-	0.02	D-482	
Neutralization Value :				
Strong Acid Number mgKOH/hr	-	Nil	D-974	
Flash Point P. M. c. c. degrees F	150	-	D-93	
Color ASTM	6	-	D-1500	