

## DIESEL FUEL

GOST 305-82 with Amendments 1-6

Properties	L grade	M grade
Cetane number, min	45	45
Distillation fraction:		
50 % evaporated, °C, max,	280	280
96 % evaporated, final distillation, °C, max,	360	340
Pour point, °C, max, for climate zone:		
moderate	minus 10	minus 35
cold	-	minus 45
Cloud point, °C, max, for climate zone:		
moderate	minus 5	minus 25
cold	-	minus 35
Flash point in a closed crucible, °C, min, for		
railway and marine diesel engines and gas turbines	62	40
general purpose diesel engines	40	35
Sulfur content, wt %, max		
type 1	0,2	0,2
type 2	0,05	0,05
Mercaptane sulfur content, wt %, max	0,01	0,01
Hydrogen content	absent	absent
Copper strip corrosion test	pass	pass
Kinematic viscosity at 20 °C, mm <sup>2</sup> /s, (cSt)	3,0-6,0	1,8-5,0

### HAZARD IDENTIFICATION AND SAFETY REQUIREMENTS

Diesel Fuel is a low toxic substance of 4<sup>th</sup> hazard class. MPC of vapors in working area – 300 mg/m. Flammable liquid. Explosive concentration of its vapors in mixture with air – 2-3% (by volume). Complete safety requirements are written in the safety data sheet.

### TRANSPORTATION

In railway tank cars, in bulk, in auto cars

### APPLICATION

Use as fuel for land and marine high-speed diesel and gas-turbine engines, use as functional fluids, use in oil and gas field drilling and production operations, lubricants, use in metal working fluids/rolling oils, use as release agents or binders, for rubber production and processing, uses in coatings