

DIESEL ENGINE OIL

TDS 592-2017



Description of index	Standard value					
	SAE 30 API CB	SAE 30 API CC	SAE 30 API CD	SAE 40 API CB	SAE 40T API CB	SAE 40 API CC
Kinematic viscosity at 100°C, mm ² /c, within	11,5-12,5	11,0-12,5	11,5-12,5	13,5-14,5	15,5-16,5	14,0-15,5
Viscosity index, not less than	95	90	95	90	90	90
Mass fraction of mechanical impurities, %, not more than	0,015	0,015	0,02	0,02	0,015	0,015
TBN, mg KOH per 1 g of the oil, not less than	3,5	6,0	8,0	4,0	5,0	5,0
Mass fraction of sulphated ash, %, not more than	1,0	1,2	1,5	1,1	1,2	1,2
Mass fraction of water, %, not more than	0,03					
Flash point, determined in an open cup, °C, not lower than	230	220	230	230	240	230
Pour point, °C, not exceeding	minus 15*	minus 15*	minus 15*	minus 12	minus 18*	minus 15*
Corrosion resistance on a copper plate grade M 1 at 100 ° C, 3 hours, points, not more than or Corrosion resistance on lead plates, g/m ² , not more than	1B 1b	1B 1b	1B 1b	1B 1b	1B 1b	1B 1b
	Absence					
Color dilution in 15:85, ASTM color, no more units of CNT, not more than	2,5 2,5	3,0 3,0	2,5 2,5	3,0 3,0	4,0 4,0	3,5 3,5
Density at 20°C, g/cm ³ , not more than	0,902	0,902	0,902	0,902	0,902	0,905

NOTE

- *- from March 1 to November 1, it is allowed to produce oil with a pour point of minus 10 ° C.
- ** - from March 1 to November 1, it is allowed to produce oil with a pour point of minus 12 ° C.