

TRANSMISSION OIL

MAIN QUALITY SPECIFICATIONS		
	TEST METHOD	VALUE
Kinematics viscosity, mm²/s, at 100 °C, min.	ASTM D 445 (GOST 33)	15
Viscosity Index, min.	ASTM D 2270 (GOST 25371)	120
Dynamic viscosity, MPa, at 40 °C, max	ASTM D 2983 (GOST 1929 & para 5.10 GOST 23652)	150000
Mechanical impurities content, %, max	GOST 6370	None
Water content, %, max.	ASTM D 95 (GOST 2477)	Traces
Flash point in open cup, °C, min.	ASTM D92 (GOST 4333)	165
Pour Point, °C, max.	ASTM D 97 (GOST 20287)	Minus 44
Copper Strip Test at 120 °C made within 3 hours, max.	ASTM D 130 (GOST 2917 & para 4.3)	2c
Tribologic parameters for four-ball-machine:		
<ul style="list-style-type: none"> finning index (Fi), N (kgs), min. welding load (Pc), N (kgs), min wear index (Wi) of axial load 40 kgs at (20±5)°C within 1 hour 	GOST 9490	568.4 (58) 3685 (376) No norm. Mandatory determination.
Foam formation, sm³, max:		
<ul style="list-style-type: none"> at 24 °C at 94 °C at 24 °C after testing at 94°C 	ASTM D 892 (Supplement A, or para. 5.5 GOST 23652)	50 50 50
Compatibility with rubber packaging (volume change), %		
<ul style="list-style-type: none"> 'УИМ-1' Type '2801' Type '57-5025' Type 	GOST 9.030, Method A and para. 4.3	from +1 to +6 from -2 to +10 from -2 to +8
Thermal Oxidant Stability, %, max :		
a) by testing with gear box cars at 155 °C within 50 hours:	GOST 23652 para. 5.4.1	
<ul style="list-style-type: none"> viscosity increase at 50 °C residue in petroleum ether residue in petrol 		100 3 2
b) by testing with 'DK-Nami' at 140°C within 20 h:	GOST 11063 and GOST 23652 para. 5.4.2	
<ul style="list-style-type: none"> viscosity increase at 100°C residue in petroleum ether 		10 0.3
Density at 20°C, kg/m³	ASTM D 1298 (GOST 3900)	No norm. Mandatory determination.