

## TRANSMISSION OILS

The viscosity class is defined according to the SAE J 306 standard.

Viscosity SAE class	Lowest temperature [°C] per viscosity [mPa.s ] ASTM D 2983		Viscosity at 100 °C [mm <sup>2</sup> /s ] ASTM D 445	
	mPa.s	°C	min	max
70 W	150000	-55	4.1	-
75W	150000	-40	4.1	-
80W	150000	-26	7.0	-
85	150000	-12	11.0	<13.5
80	-	-	7.0	< 11.0
90	-	-	13.5	<18.5
110	-	-	18.5	<24.0
140	-	-	24.0	<32.5
190	-	-	32.5	<41.0
250	-	-	41.0	-

The technical requirements cover the following classes:

- БДС 9797-82
- API GL-4
- GL-5.

№	Index	80W HD	90EP	90HD	Testing method
1.	Kinematic viscosity 100°C , mm/s <sup>2</sup>	min 7,00	18-22	18-22	EN ISO 3104
2.	Viscosity index ≥	100	90	90	ISO 2909
3.	Pouring temperature °C, ≤	-26	-18	-18	ISO 3016
4.	Flash point, °C ≥	190	190	190	EN ISO 2592
5.	Water content, %, ≤	none	none	none	EN ISO 12937
6.	Mechanical particulates, %,	none	none	none	EN 12662
7.	*Phosphorus, %, ≥	0,05	0,017	0,05	БДС 9779- 84
8.	Anti-seizure properties – wear load index, N, ≥	550	300	550	ASTM D 2783

Note:\*The values shown depend on the additives used.