

LLC «JV YUKOIL»

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State register No. 31852954



Testing laboratory of JV "YUKOIL" LLC is certified for carrying out tests of quality parameters of petroleum products, technical fluids and lubricants. Certificate of technical competence recognition № AB 83-21 dated 16.11.2021 is issued by the State-owned enterprise "ZAPORIZHYASTANDARTMETROLOGIA", valid till 16.11.2024

Quality Certificate No 07100.01.01.1

Transmission oil YUKO TAD-17a (GL-4, SAE 85W-90)

Manufacturer JV YUKOIL LLC

Packed by JV YUKOIL LLC

Viscosity grade: **SAE 85W-90**

Quality Index: **API GL-4**

Production date: February 2023

Package: canister 5L PE

Batch No: 07100.16.02.23.01.



№	Test	Norm	Result	Test method
1	Density at 20°C, kg/m ³ , not more than	940	899,4	ASTM D1298
2	Kinematic viscosity at 100°C, mm ² /s	16.5	19,1	ASTM D445
3	Viscosity index, not less than	90	91	ASTM D2270
4	Open cup flash point, °C, not less than	200	230	ASTM D92
5	Pour point, °C, not high than	minus 25	minus 25	ASTM D97
7	Sulfur content, %, not more than	2,3	1,35	GOST 1431 or ASTM D6481 or ASTM D6443 or ASTM D4927
8	Mass fraction of mechanical impurities, %, not more than	absence	absence	GOST 6370
9	Water content, %, not more than	traces	traces	GOST 2477 or ASTM D95
10	Colour on colorimeter not more than	6,0	4,0	ASTM D1500
11	Tribological characteristics on 4 balls machine at (20±5)°C			GOST 9490 or ASTM D2783
	- welding load, N, not less than	2930	3 283	GOST 9490 or ASTM D2783
	- scuff index, N, not less than	490	653	GOST 9490 or ASTM D2783
	- wear scar diameter (392H), mm, not more than	0.7	0,50	GOST 9490 or ASTM D2783
12	Corrosive effect on metals	pass	pass	GOST 2917 or ASTM D130
13	Ash content, %, not more than	0.8	0,306	DSTU ISO 3987 or ASTM D874
14	Acid number, mg KOH/g, not more than	2.5	0,35	GOST 5985 or ASTM D974

Result: the product quality meets the standard of TU U 19.2-31852954-002:2021

seal

Head of Quality Assurance Department

