

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 47059.01.01.1**Four-stroke engine oil YUKO SEMISYNTHETIC 4T 10W-40**

Manufacturer JV YUKOIL LLC

Packed by JV YUKOIL LLC

Viscosity grade: **SAE 10W-40**Quality Index: **API SL JASO MA2**

Production date: November 2022

Package: canister 1L PE

Batch No:47059.23.11.22.01.



№	Test	Norm	Result	Test method
1	Density at 20°C, kg/m³, not more than	900	873,3	ASTM D1298
2	Kinematic viscosity at 100°C, mm²/s	12,5 - 16,3	13,15	ASTM D445
3	Viscosity index, not less than	140	140	ASTM D2270
4	Open cup flash point, °C, not less than	200	230	ASTM D92
5	Pour point, °C, not high than	minus 32	minus 40	ASTM D97
6	Mass fraction of mechanical impurities, %, not more than	0,015	0,013	GOST 6370
7	Water content, %, not more than	traces	traces	GOST 2477 or ASTM D95
8	Color on colorimetr, in diluted ratio 15:85, not more	3,5	1,5	ASTM D1500
9	TBN, mg KOH/g, not less than	5,0	7,00	ASTM D4739 or ASTM D2896
10	Mass fraction of active elements, %, not less than:			GOST 13538 or ASTM D6481 or ASTM D6443 or ASTM D4927
	- calcium	0,19	0,208	GOST 13538 or ASTM D6481 or ASTM D6443 or ASTM D4927
	- zinc	0,08	0,091	GOST 13538 or ASTM D6481 or ASTM D6443 or ASTM D4927
11	Sulphated ash, %, not more than	1,0	0,84	DSTU ISO 3987 or ASTM D874
15	CCS, mPa*s			DSTU 8349 or ASTM D5293
	CCS at minus 25°C	7000	3 260	DSTU 8349 or ASTM D5293

Result: the product quality meets the standard of TU U 23.2-31852954-038:2008

seal

Head of Quality Assurance Department

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