

LLC «JV YUKOIL»

48A Ivana Pulyuya str., Bila Tserkva, Kyiv region, Ukraine, 09100

Hot-line: +38 (0) 800 60 5555

Tel: +38 (061) 222 80 25 (laboratory)

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 50060.01.01.1 **Hydraulic oil YUKO MGE-46V (HM 46)**

Manufacturer JV YUKOIL LLC

Packed by JV YUKOIL LLC

Viscosity grade: **ISO 46**

Quality Index: **ISO HM**

Production date: December 2022

Package: canister 20L PE

Batch No:50060.14.12.22.01.



№	Test	Norm	Result	Test method
1	Density at 20°C, kg/m <sup>3</sup> , not more than	890	878,5	ASTM D1298
2	Kinematic viscosity, mm <sup>2</sup> /s			ASTM D445
	Kinematic viscosity at 40°C, mm <sup>2</sup> /s	41,4 - 50,6	50,19	ASTM D445
3	Viscosity index, not less than	85	109	ASTM D2270
4	Open cup flash point, °C, not less than	190	216	ASTM D92
5	Pour point, °C, not high than	minus 32	minus 35	ASTM D97
6	Mass fraction of mechanical impurities, %, not more than	absence	absence	GOST 6370
7	- water content, %, not more than	absence	absence	GOST 2477 or ASTM D95
8	Colour on colorimeter not more than	no more 6,0	2,0	ASTM D1500
9	Tribological characteristics on a 4-ball machine at (20 ± 5) ° C: - wear index at axial load 196N, mm, not more than	0,5	0,37	GOST 9490 or ASTM D2783
10	Corrosive effect on metals	pass	pass	GOST 2917 or ASTM D130
11	Acid number, mg KOH/g, not more than	1,5	0,43	GOST 5985 or ASTM D974
12	Change in the mass of rubber brand UIM-1 after testing in oil for 72 hours, at 100 ° C, %	1,0 - 4,0	2,1	GOST 9.030

**Result: the product quality meets the standard of TU U 23.2-31852954-003-2003**

seal

Head of Quality Assurance Department

WEB: [www.yuko.eu](http://www.yuko.eu)

Hot-line: +38 (0) 800 60 5555

E-mail: [support@yukoil.com](mailto:support@yukoil.com)

Tel.: +38 (061) 222 80 32

Member of:



