

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 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/m ³ , not more than | 900 | 873,3 | ASTM D1298 |
| 2 | Kinematic viscosity at 100°C, mm ² /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

WEB: www.yukoil.eu

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

E-mail: support@yukoil.com

Tel.: +38 (061) 222 80 32

Member of:

