

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 34039.01.01.1

Industrial oil YUKO IGP – 18 (HM 32)

Manufacturer JV YUKOIL LLC

Packed by JV YUKOIL LLC

Viscosity grade: **ISO 32**

Quality Index: **ISO HM**

Production date: August 2023

Package: barrel 200L metal

Batch No: 34039.22.08.23.01.



№	Test	Norm	Result	Test method
1	Density at 20°C, g/sm ³ , not more than	905	874,0	ASTM D1298
2	Kinematic viscosity at 40°C, mm ² /s	24-35	34,8	ASTM D445
3	Viscosity index, not less than	80	91	ASTM D2270
4	Open cup flash point, °C, not less than	180	200	ASTM D92
5	Pour point, °C, not high than	minus 15	minus 15	ASTM D97
6	Mass fraction of active elements, %, not less:			GOST 1431 and GOST 13538 or ASTM D6481 or ASTM D6443 or ASTM D4927
	- sulfur, not more than	1.5	1,300	GOST 1431 and GOST 13538 or ASTM D6481 or ASTM D6443 or ASTM D4927
	- zinc, not less than	0.04	0,050	GOST 1431 and GOST 13538 or ASTM D6481 or ASTM D6443 or ASTM D4927
7	Colour on colorimeter, not more than	3,0	1,5	ASTM D1500
8	Corrosion on plates of the steel	pass	pass	ASTM D130
9	Water content, %, not more than	traces	traces	ASTM D95
10	Mass fraction of mechanical impurities, %, not more than	absence	absence	GOST 6370
11	Acid number, not more than	1,0	0,55	GOST 5985 or ASTM D974
12	Ash content, %, not more than	0,2	0,200	GOST 1461 or ASTM D482
13	Oxidation stability: acid number after oxidation	0,35	0,32	ASTM D943
14	Foaming characteristics, cm ³ , not more than:			DSTU 8420 or ASTM D892
	- at 24°C	50	10	DSTU 8420 or ASTM D892
	- at 94°C	50	15	DSTU 8420 or ASTM D892
	- at 24°C, after 94°C	50	15	DSTU 8420 or ASTM D892

Result: the product quality meets the standard of TU U 19.2-31852954-001:2021

seal

Head of Quality Assurance Department

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