

	<p style="text-align: center;">ALCO QUALITY ASSURANCE LABORATORY TEST REPORT</p> <p style="text-align: center;">Accreditation No: AZS ISO/IEC 17025:2020/AZ 01.0571.01.21</p>	
---	--	---

Company: ALCO LLC
3, Vali Mammadov st., Sabail dist.
AZ1095, Baku, Azerbaijan

Certificate No.: 20241004
Date of issue: 29/06/2024

Test sample

Product: AVTOIL TP-22C
Batch number: 24061004
Tank ID: T45.4

Manufacture date: 28/06/2024
Date of sampling: 28/06/2024
Date of analysis: 28/06/2024

Test result

Parameters	Unit	Test method	Limit	Test result	Conclusion
Appearance	-	Visual	Bright & Clear	Bright & Clear	Pass
Kinematic viscosity at 100 °C	mm ² /s	ASTM D445	28.8-35.2	29.14	Pass
Viscosity index	-	ASTM D2270	Min. 90	108	Pass
Flash Point, COC	°C	ASTM D92	Min. 186	220	Pass
Pour Point	°C	ASTM D97	Max. -15	-18	Pass
Water content	%	ASTM D95	Max. 0.05	None	Pass
Color	-	ASTM D1500	Max. 3.0	0.4	Pass
Density at 15 °C	g/cm ³	ASTM D4052	Test & Report	0.8549	Pass

ALCO QUALITY ASSURANCE LABORATORY accredited by AzAK for AZS ISO/IEC 17025:2020 at test laboratory.

Shelf life: 5 years from the date of manufacture of the product if proper storage conditions are followed.

This product meets the specification set out in its product data sheet (PDS) and has been manufactured in a facility fully complying with the requirements of Integrated Management System standards.

Notes & Instructions:

- Tests conducted according to International Standard Test Methods are routinely verified to be in compliance with the latest published versions. Minor changes may be made where they have no material impact on test results and are necessitated by reasons such as safety, environmental standards and method effectiveness.
- This certificate is only valid in its entirety.
- This certificate shall not be reproduced except in full, without the written approval of the laboratory.

Authorised singnatory



Allahverdiyeva Aytan
Head of Laboratory



Isgandarli Nazrin
Lead Chemical Engineer



Company: ALCO LLC
3, Vali Mammadov st., Sabail dist.
AZ1095, Baku, Azerbaijan

Certificate No.: 2024415-1
Date of issue: 15/03/2024

Test sample

Product: AVTOIL T-1500
Batch number: 2403415
Tank ID: T61.1

Manufacture date: 15/03/2024
Date of sampling: 15/03/2024
Date of analysis: 15/03/2024

Test result

Parameters	Unit	Test method	Limit	Test result	Conclusion
Appearance	-	Visual	Bright & Clear	Bright & Clear	Pass
Kinematic viscosity					
-at 40°C	mm ² /s	ASTM D445	-	10.35	Pass
-at 50°C			Max. 8.0	7.60	
-at 100°C			-	2.543	
Water content	%	ASTM D95	Max. 0.05	None	Pass
Mechanical impurities	%	ASTM D 4807	None	None	Pass
Closed Cup Flash Point	°C	ASTM D93	Min. 135	143	Pass
Pour Point	°C	ASTM D97	Max. -45	-45	Pass
TAN	mg KOH/g	ASTM D974	Max. 0.01	0.007	Pass
Color	-	ASTM D1500	Max. 1.5	0.5	Pass
Dielectric dissipation factor at 90°C	%	IEC 60247	Max. 0.50	0.20	Pass
Dielectric Breakdown Voltage	kV	IEC 60156	Min. 30	60.6	Pass
Density at 15 °C	g/cm ³	ASTM D4052	Test & Report	0.8863	Pass

ALCO QUALITY ASSURANCE LABORATORY accredited by AzAK for AZS ISO/IEC 17025:2020 at test laboratory.

Shelf life: 5 years from the date of manufacture of the product if proper storage conditions are followed.

This product meets the specification set out in its product data sheet (PDS) and has been manufactured in a facility fully complying with the requirements of Integrated Management System standards.

Notes & Instructions:

- Tests conducted according to International Standard Test Methods are routinely verified to be in compliance with the latest published versions. Minor changes may be made where they have no material impact on test results and are necessitated by reasons such as safety, environmental standards and method effectiveness.
- This certificate is only valid in its entirety.
- This certificate shall not be reproduced except in full, without the written approval of the laboratory.

Authorised singnatory



Allahverdiyeva Aytan
Head of Laboratory



Isgandarli Nazrin
Lead Chemical Engineer

