

CERTIFICATE OF ANALYSIS

Accreditation No: AZS ISO/IEC 17025:2020/AZ 01.0571.01.21

From: ALCO LLC
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AZ1095, Baku, Azerbaijan

Certificate No.: 2023111873
Date of issue: 17/11/2023

Test sample

Product: EUROTEC TRANSFORMER OIL T 1500
Date of sampling: 17/11/2023

Manufacture date: 17/11/2023
Batch number: 23111873
Tank ID: T61.1

Test result

Date of analysis: 17/11/2023

Parameters	Unit	Test result	Limit	Test method	Conclusion
Appearance	-	Bright & Clear	Bright & Clear	Visual	Pass
Kinematic viscosity -at 40°C -at 50°C -at 100°C	mm ² /s	10.47 7.60 2.56	- Max. 8.0 -	ASTM D445	Pass
Water content	%	None	Max. 0.05	ASTM D95	Pass
Mechanical impurities	%	None	None	ASTM D 4807	Pass
Closed Cup Flash Point	°C	143	Min. 135	ASTM D93	Pass
Pour Point	°C	-45	Max. -45	ASTM D97	Pass
TAN	mg KOH/g	0.007	Max. 0.01	ASTM D974	Pass
Color	-	0.5	Max. 1.5	ASTM D1500	Pass
Dielectric dissipation factor at 90°C	%	0.20	Max. 0.50	IEC 60247	Pass
Dielectric Breakdown Voltage	kV	60.6	Min. 30	IEC 60156	Pass
Density at 20 °C	g/cm ³	0.8822	Max. 0.885	ASTM D4052	Pass

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 signatory



Matilda Yusifova
Technologist