

QUALITY CONTROL LABORATORY

Certificate of analysis

Certificate of Analysisnumber	LS-24-1417	Product Source	ZF
Sample Recieved Date:	14/10/2024		
Product Name	ZF LIFE GUARD FLUID 9 ATF D-II	Batch/Serial Number	
		Date of Test	18/10/2024
CHARACTERISTICS			
Test	Method	Units	Result
Appearance	Visual	-	Bright & Clear
Color	ASTM D1500	-	Green
Kinematic viscosity at 100 °C	ASTM D445	cSt	5.51
Kinematic viscosity at 40 °C	ASTM D445	cSt	24.44
Density at 15 °C	ASTM D4052	g/ml	0.8463
Viscosity index	ASTM D2270	-	174
Flash Point (COC)	ASTM D92	°C	228
Pour Point	ASTM D97	°C	-48
Sulfur	ASTM 5354	% mass	0.13
Nitrogen	ASTM D5762	% mass	0.19
Calcium	ASTM D5185	% mass	0.059
Phosphorus	ASTM D5185	% mass	0.58
Zinc	ASTM D5185	% mass	0
Boron	ASTM D5185	% mass	0.015
Brookfield at -40c	ASTM D2983	mpa.s	7530
Scar Dia	ASTM D4172	mm	0.386
Weldload	ASTM D2783	KG	200
Foaming Tendency			
Sequence I Tend/Stab	ASTM D892	ml/ml	30/0
Sequence II Tend/Stab	ASTM D892	ml/ml	30/0
Sequence III Tend/Stab	ASTM D892	ml/ml	30/0

Issued By: Lab Chemist

Date: 18/10/2024