

QUALITY CONTROL LABORATORY

Certificate of analysis

page 1 of 1

Certificate of Analysis number	LS-24-1143	Product Code	AZTEC
Sample Received Date:	8/29/2024		
Product Name	TOROTEC LONG LIFE 0W-20 ACEA C5 508/509	Batch Number	MFG220224
		Date of Test	8/29/2024
CHARACTERISTICS			
Test	Method	Units	Result
Appearance	Visual	-	Bright & Clear
Color	ASTM D1500	-	Green
Kinematic viscosity at 100 °C	ASTM D445	cSt	7.851
Kinematic viscosity at 40 °C	ASTM D445	cSt	42.58
Density at 15 °C	ASTM D4052	g/ml	0.8445
Viscosity index	ASTM D2270	-	157
Low Temperature Cranking	ASTM D5293	mPa.S	5152
Viscosity at -35C			
Noack	ASTM D5800	% mass	9.1
Flash Point (COC)	ASTM D92	°C	238
Pour Point	ASTM D97	°C	-45
Base Number	ASTM D2896	mg KOH/g	8.8
Sulfur	ASTM 5354	% mass	0.225
Nitrogen	ASTM D5762	% mass	0.11
Sulphated Ash	ASTM D874	% mass	0.6835
Calcium	ASTM D5185	% mass	0.16
Magnesium	ASTM D5185	% mass	0
Phosphorus	ASTM D5185	% mass	0.079
Zinc	ASTM D5185	% mass	0.093
Boron	ASTM D5185	% mass	0
Moly	ASTM D5185	% mass	0
HTHS	ASTM D4683	cP	2.73
SSI 30cycle	ASTM D6278	cSt	7.61
Foaming Tendency			
Sequence I Tend/Stab	ASTM D892	ml/ml	10/0
Sequence II Tend/Stab	ASTM D892	ml/ml	30/0
Sequence III Tend/Stab	ASTM D892	ml/ml	10/0

Issued By: Lab Chemist

Date: 8/29/2024