

QUALITY CONTROL LABORATORY

Certificate of analysis

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Certificate of Analysis number	Product Code	TECNOL
Sample Recieved Date:	6/18/2024	
	Batch Number	LS-24-1115
Product Name	15W-40 SHPD E7/VDS3/MB228.3	Date of Test 6/18/2024

CHARACTERISTICS			
Test	Method	Units	Result
Appearance	Visual	-	Bright & Clear
Color	ASTM D1500	-	L4.5
Kinematic viscosity at 100 °C	ASTM D445	cSt	14.25
Kinematic viscosity at 40 °C	ASTM D445	cSt	104.5
Density at 15 °C	ASTM D4052	g/ml	0.8721
Viscosity index	ASTM D2270	-	139
Low Temperature Cranking Viscosity at -20 °C	ASTM D5293	mPa.S	5303
Noack	ASTM D5800	% mass	7.2
Flash Point (COC)	ASTM D92	°C	252
Pour Point	ASTM D97	°C	-36
Base Number	ASTM D2896	mg KOH/g	12.31
SSI 30 cycles	ASTM D6278	cSt	9.93
Nitrogen	ASTM D5762	% mass	0.130
Sulphated Ash	ASTM D874	% mass	1.45
Calcium	ASTM D5185	% mass	0.345
Magnesium	ASTM D5185	% mass	0.010
Phosphorus	ASTM D5185	% mass	0.1076
Zinc	ASTM D5185	% mass	0.1264
HTHS	ASTM D4683	cP	4.40
Foaming Tendency			
Sequence I Tend/Stab	ASTM D892	ml/ml	0/0
Sequence II Tend/Stab	ASTM D892	ml/ml	10/0
Sequence III Tend/Stab	ASTM D892	ml/ml	0/0