

QUALITY CONTROL LABORATORY

Certificate of analysis

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Certificate of Analysis number		Product Code	PALMLUB
Sample Recieved	Date:	06/18/2024	
		Batch Number	LS-24-1114
Product Name	5W-30 504/507 Superior		Date of Test
		2/18/2024	

CHARACTERISTICS			
Test	Method	Units	Result
Appearance	Visual	-	Bright & Clear
Color	ASTM D1500	-	L3.0
Kinematic viscosity at 100 °C	ASTM D445	cSt	11.54
Kinematic viscosity at 40 °C	ASTM D445	cSt	69.2
Density at 15 °C	ASTM D4052	g/ml	0.8602
Viscosity index	ASTM D2270	-	162
Low Temperature Cranking Viscosity at -30 °C	ASTM D5293	mPa.S	8414
Noack	ASTM D5800	% mass	8.5
Flash Point (COC)	ASTM D92	°C	232
Pour Point	ASTM D97	°C	-42
Base Number	ASTM D2896	mg KOH/g	10.01
SSI 30 cycles	ASTM D6278	cSt	10.48
Nitrogen	ASTM D5762	% mass	0.140
Sulfur	ASTM D5354	% mass	0.0010
Sulphated Ash	ASTM D874	% mass	0.88
Calcium	ASTM D5185	% mass	0.215
Phosphorus	ASTM D5185	% mass	0.0817
Zinc	ASTM D5185	% mass	0.0992
HTHS	ASTM D4683	cP	4.31
Foaming Tendency			
Sequence I Tend/Stab	ASTM D892	ml/ml	80/0
Sequence II Tend/Stab	ASTM D892	ml/ml	40/0
Sequence III Tend/Stab	ASTM D892	ml/ml	80/0