

QUALITY CONTROL LABORATORY

Certificate of analysis

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Certificate of Analysis number	LS-24-1135	Product Code	COMMA
Sample Received Date:	8/29/2024		
Product Name	ECO-FE PLUS 0W-30 WSS-M2C950-A	Batch Number	327159
		Date of Test	8/29/2024
CHARACTERISTICS			
Test	Method	Units	Result
Appearance	Visual	-	Bright & Clear
Color	ASTM D1500	-	2.0
Kinematic viscosity at 100 °C	ASTM D445	cSt	10.5
Kinematic viscosity at 40 °C	ASTM D445	cSt	56.73
Density at 15 °C	ASTM D4052	g/ml	0.8431
Viscosity index	ASTM D2270	-	177
Low Temperature Cranking	ASTM D5293	mPa.S	5332
Viscosity at -35C			
Noack	ASTM D5800	% mass	9.1
Flash Point (COC)	ASTM D92	°C	242
Pour Point	ASTM D97	°C	-33
Base Number	ASTM D2896	mg KOH/g	8.71
Sulfur	ASTM 5354	% mass	0.191
Nitrogen	ASTM D5762	% mass	0.1
Sulphated Ash	ASTM D874	% mass	0.76994
Calcium	ASTM D5185	% mass	0.181
Magnesium	ASTM D5185	% mass	0
Phosphorus	ASTM D5185	% mass	0.078
Zinc	ASTM D5185	% mass	0.088
Boron	ASTM D5185	% mass	0.007
Moly	ASTM D5185	% mass	0
HTHS	ASTM D4683	cP	3.7219
SSI 30cycle	ASTM D6278	cSt	9.562
Foaming Tendency			
Sequence I Tend/Stab	ASTM D892	ml/ml	5/0
Sequence II Tend/Stab	ASTM D892	ml/ml	30/0
Sequence III Tend/Stab	ASTM D892	ml/ml	5/0

Issued By: Lab Chemist

Date: 8/29/2024