

QUALITY CONTROL LABORATORY
Certificate of analysis

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Certificate of Analysis number	LS-24-1136	Product Code	ROCK OIL
Sample Received Date:	8/29/2024		
Product Name	Synthesis 5W-30 Dexos2	Batch Number	W0391758
		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	11.27
Kinematic viscosity at 40 °C	ASTM D445	cSt	66.47
Density at 15 °C	ASTM D4052	g/ml	0.8492
Viscosity index	ASTM D2270	-	164
Low Temperature Cranking	ASTM D5293	mPa.S	6282
Viscosity at -30C			
Noack	ASTM D5800	% mass	7.8
Flash Point (COC)	ASTM D92	°C	246
Pour Point	ASTM D97	°C	-33
Base Number	ASTM D2896	mg KOH/g	7.75
Sulfur	ASTM 5354	% mass	0.187
Nitrogen	ASTM D5762	% mass	0.14
Sulphated Ash	ASTM D874	% mass	0.75595
Calcium	ASTM D5185	% mass	0.089
Magnesium	ASTM D5185	% mass	0.057
Phosphorus	ASTM D5185	% mass	0.07
Zinc	ASTM D5185	% mass	0.086
Boron	ASTM D5185	% mass	0.0267
Moly	ASTM D5185	% mass	0.004
HTHS	ASTM D4683	cP	4.318
SSI 30cycle	ASTM D6278	cSt	10.21
Foaming Tendency			
Sequence I Tend/Stab	ASTM D892	ml/ml	10/0
Sequence II Tend/Stab	ASTM D892	ml/ml	20/0
Sequence III Tend/Stab	ASTM D892	ml/ml	10/0

Issued By: Lab Chemist

Date: 8/29/2024