

QUALITY CONTROL LABORATORY

Certificate of analysis

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Certificate of Analysis number	LS-24-1138	Product Code	Kerax
Sample Received Date:	8/29/2024		
Product Name	Hyper Drive KXR 5w-30 504/507	Batch Number	7734859
		Date of Test	8/29/2024
CHARACTERISTICS			
Test	Method	Units	Result
Appearance	Visual	-	Bright & Clear
Color	ASTM D1500	-	L-2.0
Kinematic viscosity at 100 °C	ASTM D445	cSt	11.04
Kinematic viscosity at 40 °C	ASTM D445	cSt	61.14
Density at 15 °C	ASTM D4052	g/ml	0.8431
Viscosity index	ASTM D2270	-	175
Low Temperature Cranking	ASTM D5293	mPa.S	3304
Viscosity at -30C			
Noack	ASTM D5800	% mass	11.1
Flash Point (COC)	ASTM D92	°C	230
Pour Point	ASTM D97	°C	-36
Base Number	ASTM D2896	mg KOH/g	8.06
Sulfur	ASTM 5354	% mass	0.19
Nitrogen	ASTM D5762	% mass	0.11
Sulphated Ash	ASTM D874	% mass	0.7523
Calcium	ASTM D5185	% mass	0.182
Magnesium	ASTM D5185	% mass	0
Phosphorus	ASTM D5185	% mass	0.076
Zinc	ASTM D5185	% mass	0.089
Boron	ASTM D5185	% mass	0
Moly	ASTM D5185	% mass	0
HTHS	ASTM D4683	cP	3.84
SSI 30cycle	ASTM D6278	cSt	10.05
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