

Certificate of Analysis

Date : 2022-03-22

Product	Kixx ATF Multi	Product Code	L2518L00K1	Batch No.	10298778
Date Produce	2022-03-03	Date Tested	2022-03-03	Remark	

Test Item	Unit	Test Method	Specification	Test Result	Remark
Color, ASTM	-	ASTM D1500	,6.0,L6.5,6.5,L7.0,7.0,	7.0	
Density,@15°C	kg/L	ASTM D1298	To be reported	0.8457	
Viscosity,Kinematic,@40°C	mm ² /s	ASTM D445	To be reported	34.56	
Viscosity,Kinematic,@100°C	mm ² /s	ASTM D445	6.800 ~ 7.200	7.016	
Viscosity Index	-	ASTM D2270	Min 150	170	
Foam Tend Seq II	mL	ASTM D892	Max 50	20	
Stab Seq II	mL	ASTM D892	Max 0	0	
Phosphorous Content	mass %	ICP	0.0140 ~ 0.0190	0.0188	
Water	-	CRACLE		Negative	
Pour Point	°C	ASTM D97	Max -40	-51	
Foam Tend SeqI	mL	ASTM D892	Max 30	15	
Stab Seq I	mL	ASTM D892	Max 0	0	
Foam Tend Seq III	mL	ASTM D892	Max 30	10	
Stab Seq III	mL	ASTM D892	Max 0	0	
Viscosity,Brookfield,@-30°C	g/cm/s	ASTM D2983	Max 5000	3224	
Viscosity,Brookfield,@-40°C	cP	ASTM D2983	Max 20000	13500	
Flash Point,COC	°C	ASTM D92	Min 180	220	
Copper Corrosion,3hr @150°C	-	ASTM D130	1a,1b	1a	
Sulfur Content	mass %	ASTM D4294	0.1500 ~ 0.1900	0.1790	
TAN	mg KOH/g	ASTM D974	1.20 ~ 2.20		
Rust-Preventing Char.	-	ASTM D665, Proc A	Pass	Pass	
Oxidation Stab.ISOT(@165.5°C,72hr)	-	JIS K2514			
-Vis. Ratio,@40°C	-	JIS K2514	Max 1.1	1.01	
-TAN Increase	mg KOH/g	JIS K2514	Max 2.00	0.15	
Lacquer Rate	-	KS M2021	No Lacquer	No adhesion	

The Product is manufactured in an ISO9001:2015 certified facility.
 We guarantee the above test results conform with specifications.

최용호

Quality Assurance Section Chief