

# **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

# 2024 Kia Telluride

Gasoline Engine

**TOTAL FINA QUARTZ INEO 504/507 5W30 (7 QTS)** 

### DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

### Contamination

Fuel content negligible. There is no indication of any contamination in the oil.

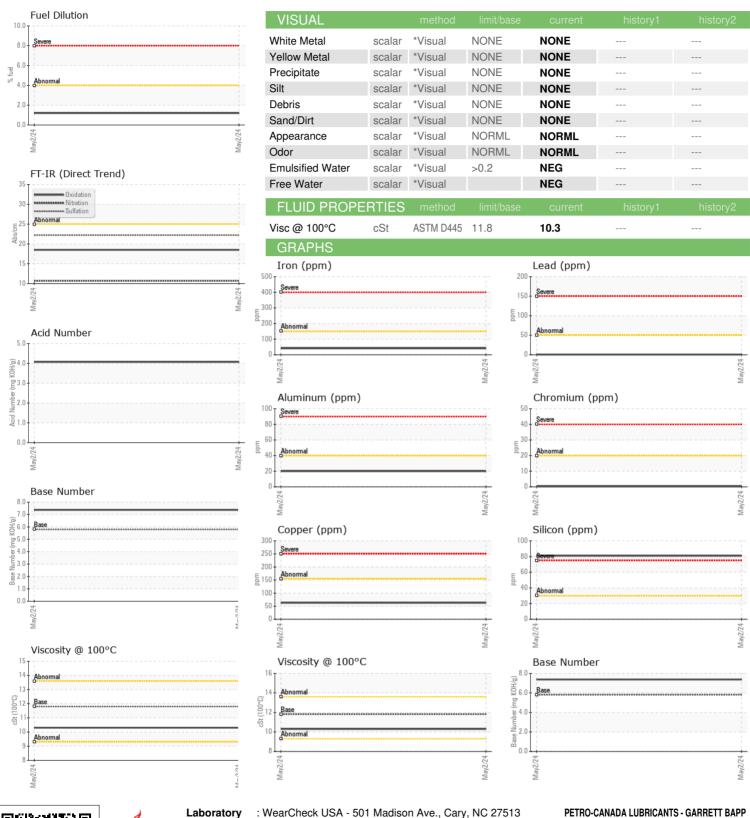
### **Fluid Condition**

The BN result indicates that there is suitable alkalinity remaining in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

(7 QTS)				May2024		
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0073707		
Sample Date		Client Info		02 May 2024		
Machine Age	mls	Client Info		6220		
Oil Age	mls	Client Info		6220		
Oil Changed	11113	Client Info		Changed		
Sample Status		Oliciit iiilo		NORMAL		
CONTAMINAT	TION	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
Glycol		WC Method	7 U.E	NEG		
WEAR METAL	S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>150	41		
Chromium	ppm	ASTM D5185m	>20	<1		
lickel	ppm	ASTM D5185m	>5	0		
itanium	ppm	ASTM D5185m	70	0		
Silver	ppm	ASTM D5185m	>2	1		
Aluminum	ppm	ASTM D5185m	>40	20		
_ead		ASTM D5185m	>50	<1		
	ppm	ASTM D5185m		63		
Copper	ppm		>155			
Γin (a.a.a.dia	ppm	ASTM D5185m	>10	0		
/anadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<1		
Barium	ppm	ASTM D5185m		12		
Nolybdenum	ppm	ASTM D5185m		707		
Manganese	ppm	ASTM D5185m		6		
Magnesium	ppm	ASTM D5185m		17		
Calcium	ppm	ASTM D5185m		3073		
Phosphorus	ppm	ASTM D5185m		738		
Zinc	ppm	ASTM D5185m		886		
Sulfur	ppm	ASTM D5185m		3552		
CONTAMINAN	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>30	81		
Sodium	ppm	ASTM D5185m	>400	6		
Potassium	ppm	ASTM D5185m	>20	2		
-uel	%	ASTM D3524	>4.0	1.2		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0		
Nitration	Abs/cm	*ASTM D7624	>20	10.7		
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.2		
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.5		
Acid Number (AN)	mg KOH/g	ASTM D8045		4.07		
Base Number (BN)	mg KOH/g	ASTM D2896	5.8	7.37		
10:00) David	mg nong	. 10 1 111 02000	5.0		Out to see the see	D O H D



## **OIL ANALYSIS REPORT**





Laboratory Sample No. Lab Number : 06225324

Unique Number : 11103521

: PCA0073707 Received

: 01 Jul 2024 **Tested** : 03 Jul 2024 Diagnosed

: 03 Jul 2024 - Jonathan Hester

2416 N 12TH ST BROKEN ARROW, OK US 74012 Contact: GARRETT BAPP

Test Package : MOB 2 ( Additional Tests: FuelDilution, PercentFuel, TBN ) Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369.

 $^st$  - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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