

OIL ANALYSIS REPORT

(LLC9798) Terrie 2020

Component

Gasoline Engine

Fluid

KENDALL 10W30 (5 QTS)

Sample Rating Trend



Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

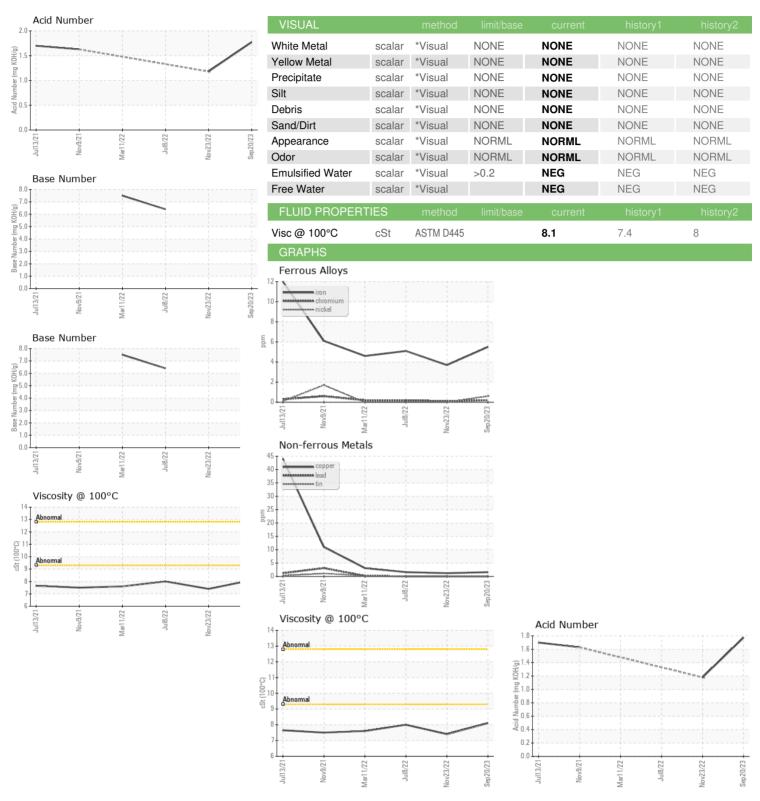
Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0680177	WC0606622	WC0680165
Sample Date		Client Info		20 Sep 2023	23 Nov 2022	08 Jul 2022
Machine Age	mls	Client Info		31101	24137	20290
Oil Age	mls	Client Info		6964	3847	4611
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	٧	method	limit/base	current	history1	history2
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>150	6	4	5
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>5	<1	0	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>40	2	2	3
Lead	ppm	ASTM D5185m	>50	0	0	0
Copper	ppm	ASTM D5185m	>155	2	1	2
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		14	15	28
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		71	72	104
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		324	350	391
Calcium	ppm	ASTM D5185m		1201	1102	1154
Phosphorus	ppm	ASTM D5185m		582	572	585
Zinc	ppm	ASTM D5185m		701	678	740
Sulfur	ppm	ASTM D5185m		2312	2219	2236
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>30	13	11	12
Sodium	ppm	ASTM D5185m	>400	<1	0	0
Potassium	ppm	ASTM D5185m	>20	2	0	1
Fuel	%	ASTM D3524	>4.0	<1.0	<1.0	<1.0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0	0.1	0.2
Nitration	Abs/cm	*ASTM D7624	>20	9.9	9.9	9.7
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.8	19.1	20.0
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	13.2	11.1	12.8
Acid Number (AN)	mg KOH/g	ASTM D8045		1.773	1.18	



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Laboratory Sample No. Lab Number **Unique Number**

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0680177

: 05959463

: 10660676

Received : 25 Sep 2023 Diagnosed : 29 Sep 2023 Diagnostician : Jonathan Hester

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

Contact: CATHERINE ANASTASIO CANASTASIO@WEARCHECKUSA.COM

* - 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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Submitted By: Ken Hill

WEARCHECK USA

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