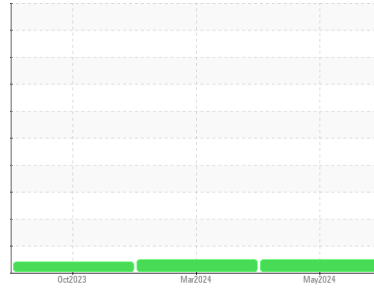




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id

FORD 30144

Component

Gasoline Engine

Fluid

KENDALL GT-1 FULL SYNTHETIC MOTOR SAE 5W20 (--- QTS)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

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 condition of the oil is suitable for further service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0867778	WC0867746	WC0867802
Sample Date	Client Info		21 May 2024	08 Mar 2024	26 Oct 2023
Machine Age	mls	Client Info	146261	142992	137267
Oil Age	mls	Client Info	3269	5725	7230
Oil Changed	Client Info		Changed	Changed	Changed
Sample Status			NORMAL	NORMAL	ATTENTION

CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method	>4.0	<1.0	<1.0	1.1
Water	WC Method	>0.2	NEG	NEG	NEG
Glycol	WC Method		NEG	NEG	NEG

WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>150	5	22	13
Chromium	ppm	ASTM D5185m	>20	0	1	<1
Nickel	ppm	ASTM D5185m	>5	<1	<1	0
Titanium	ppm	ASTM D5185m		1	<1	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>40	2	5	3
Lead	ppm	ASTM D5185m	>50	0	1	0
Copper	ppm	ASTM D5185m	>155	<1	2	<1
Tin	ppm	ASTM D5185m	>10	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	<1	0

ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m		39	39	25
Barium	ppm	ASTM D5185m		0	<1	0
Molybdenum	ppm	ASTM D5185m		51	80	73
Manganese	ppm	ASTM D5185m		2	1	<1
Magnesium	ppm	ASTM D5185m		410	596	553
Calcium	ppm	ASTM D5185m		1032	1136	1010
Phosphorus	ppm	ASTM D5185m	770	576	882	746
Zinc	ppm	ASTM D5185m	850	642	937	850
Sulfur	ppm	ASTM D5185m		2461	3424	2753

CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>30	7	11	10
Sodium	ppm	ASTM D5185m	>400	2	4	2
Potassium	ppm	ASTM D5185m	>20	2	2	0

INFRA-RED

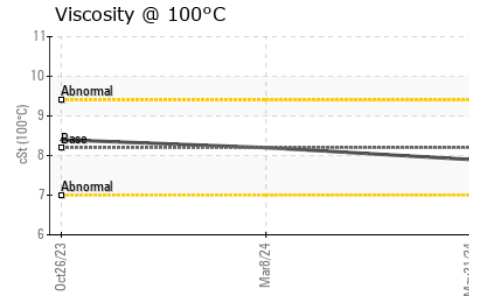
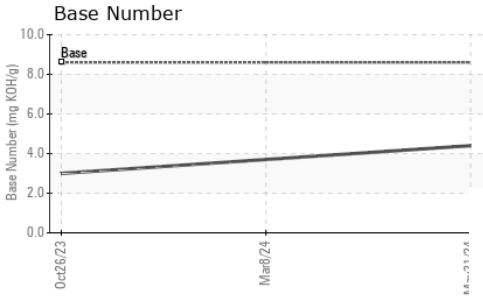
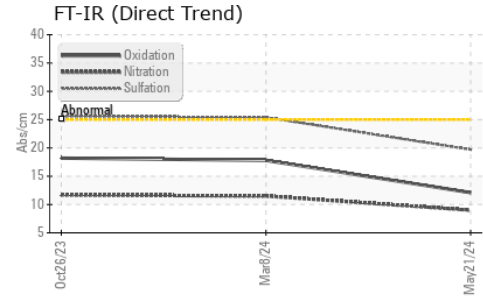
	method	limit/base	current	history1	history2	
Soot %	%	*ASTM D7844		0.1	0.1	0
Nitration	Abs/cm	*ASTM D7624	>20	9.0	11.5	11.7
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.7	25.4	25.6

FLUID DEGRADATION

	method	limit/base	current	history1	history2	
Oxidation	Abs/.1mm	*ASTM D7414	>25	12.1	17.8	18.2
Base Number (BN)	mg KOH/g	ASTM D2896	8.6	4.4	3.7	3.0



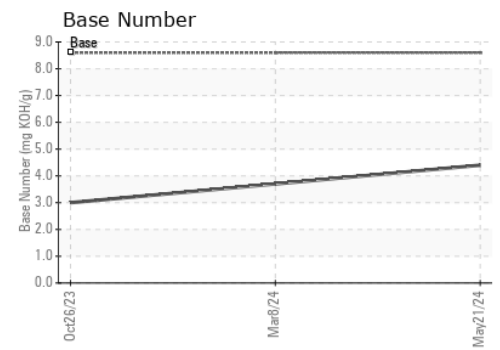
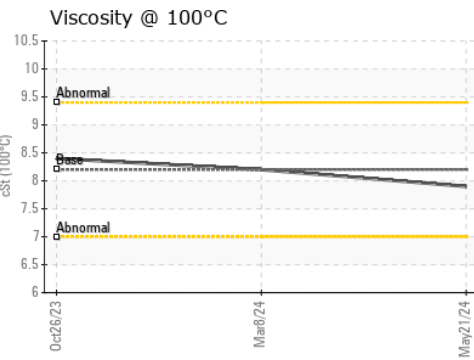
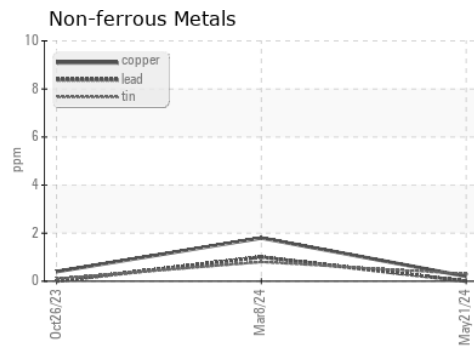
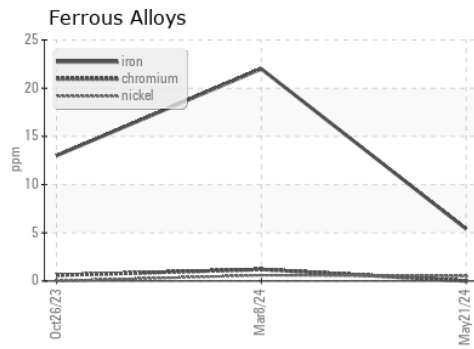
OIL ANALYSIS REPORT



PARAMETER	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445 8.2	7.9	8.2	8.4

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0867778
Lab Number : 06198597
Unique Number : 11060720
Test Package : FLEET

GREENEVILLE OIL & PETROLEUM INC
 860 WEST ANDREW JOHNSON HWY
 GREENEVILLE, TN
 US 37745
 Contact: SHOP
 shop@burkharterprises.com

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - 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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F: