



OIL ANALYSIS REPORT

WEAR	SEVERE
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
KENWORTH 2406
Component
Transmission (Manual)
Fluid
SERVICE PRO 75W90 FS (3 GAL)

RECOMMENDATION

The fluid change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

WEAR

The copper level is severe. Clutch disc wear or oil cooler leaching indicated.

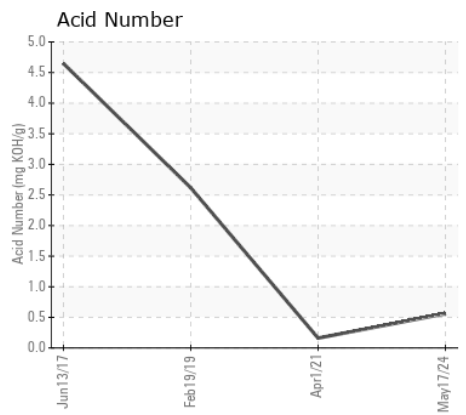
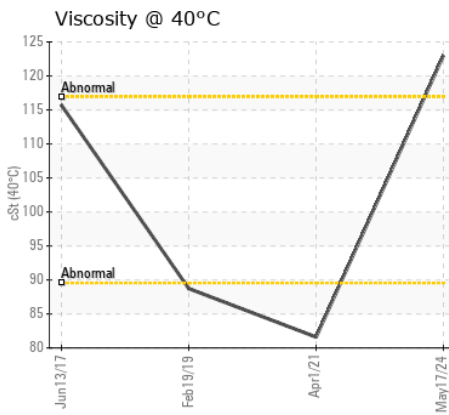
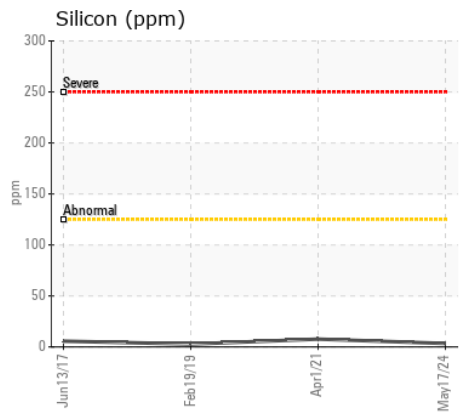
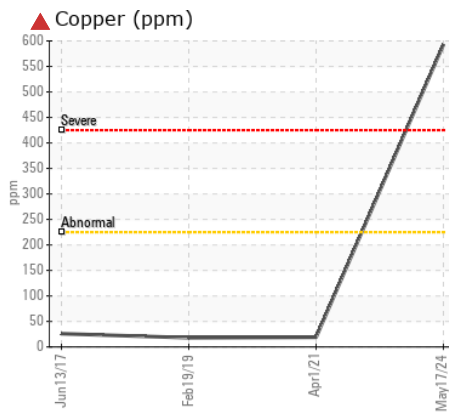
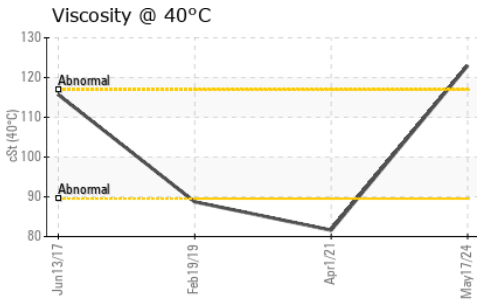
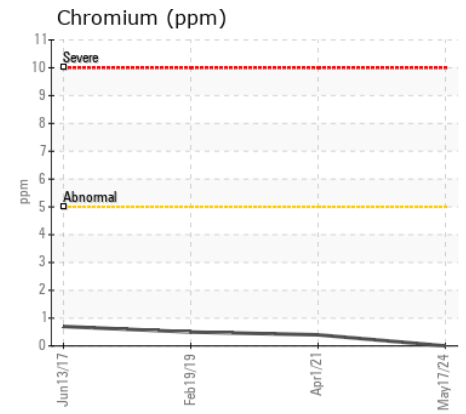
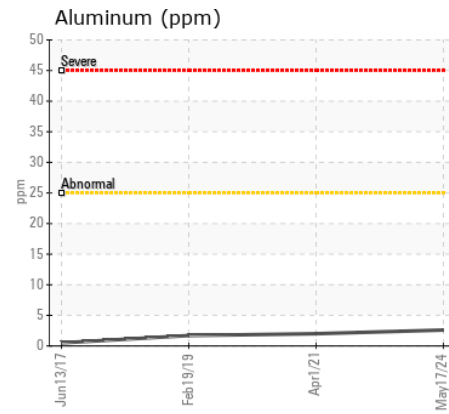
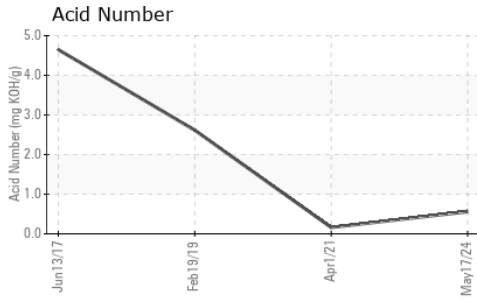
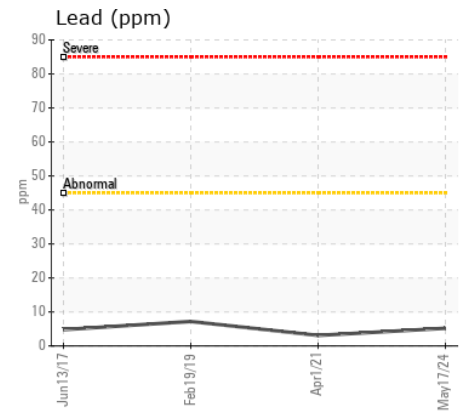
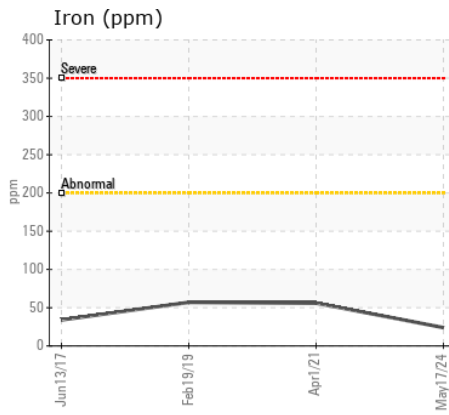
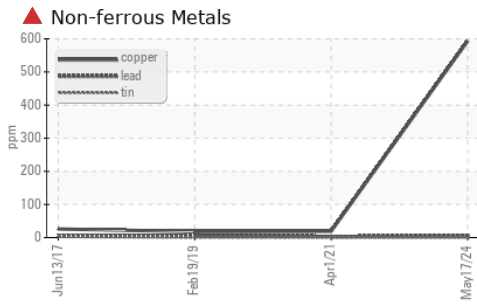
CONTAMINATION

There is no indication of any contamination in the fluid.

FLUID CONDITION

The AN level is acceptable for this fluid.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RW0005347	RW0002068	RWM2322300
Sample Date		Client Info		17 May 2024	01 Apr 2021	19 Feb 2019
Machine Age	mls	Client Info		257440	170955	111554
Oil Age	mls	Client Info		40000	59401	55000
Filter Age	mls	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				SEVERE	ABNORMAL	NORMAL
Iron	ppm	ASTM D5185m	>200	24	56	57
Chromium	ppm	ASTM D5185m	>5	0	<1	<1
Nickel	ppm	ASTM D5185m	>5	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>7	0	0	<1
Aluminum	ppm	ASTM D5185m	>25	3	2	2
Lead	ppm	ASTM D5185m	>45	5	3	7
Copper	ppm	ASTM D5185m	>225	▲ 593	19	18
Tin	ppm	ASTM D5185m	>10	0	0	<1
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	▲ MODER	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>125	3	8	3
Potassium	ppm	ASTM D5185m	>20	0	0	<1
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m		2	3	5
Boron	ppm	ASTM D5185m		37	52	80
Barium	ppm	ASTM D5185m		<1	0	<1
Molybdenum	ppm	ASTM D5185m		0	<1	0
Manganese	ppm	ASTM D5185m		<1	2	2
Magnesium	ppm	ASTM D5185m		93	5	3
Calcium	ppm	ASTM D5185m		672	14	16
Phosphorus	ppm	ASTM D5185m		1468	568	574
Zinc	ppm	ASTM D5185m		794	12	9
Sulfur	ppm	ASTM D5185m		6171	13042	12817
Acid Number (AN)	mg KOH/g	ASTM D8045		0.56	0.161	2.616
Visc @ 40°C	cSt	ASTM D445		123	81.6	88.73



Certificate L2367

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

Sample No. : RW0005347

Lab Number : 06231575

Unique Number : 11115068

Test Package : MOB 2

Received : 09 Jul 2024

Tested : 15 Jul 2024

Diagnosed : 15 Jul 2024 - Jonathan Hester

NEWKIRK ELECTRIC

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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)