



# WEAR CHECK

## OIL ANALYSIS REPORT

WEAR  
CONTAMINATION  
FLUID CONDITION

**ABNORMAL**  
**NORMAL**  
**NORMAL**

Area  
**2H28**  
Machine Id  
**KENWORTH RTK9740 (S/N 2NKHLJOXXHM154502)**  
Component  
**Transmission (Auto)**  
Fluid  
**TES SYN 295 (3 GAL)**

### RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

### WEAR

Gear wear is indicated.

### CONTAMINATION

There is no indication of any contamination in the fluid.

### FLUID CONDITION

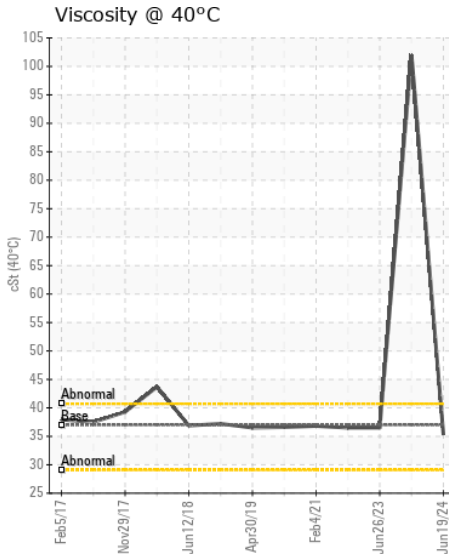
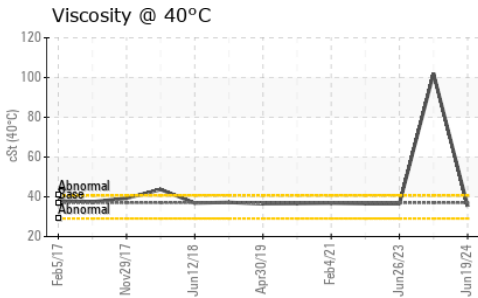
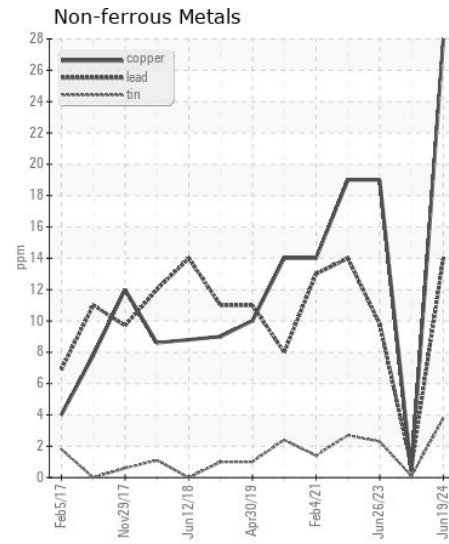
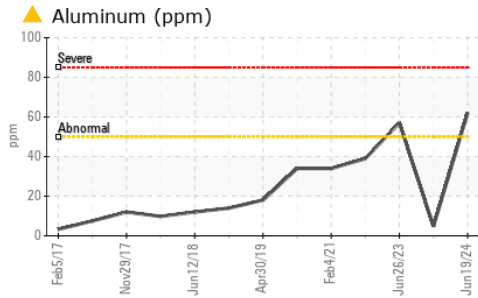
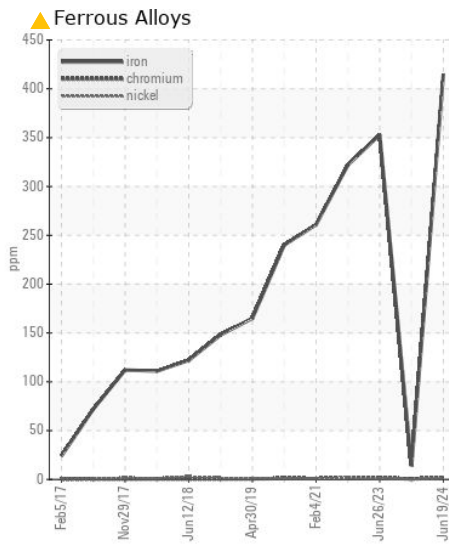
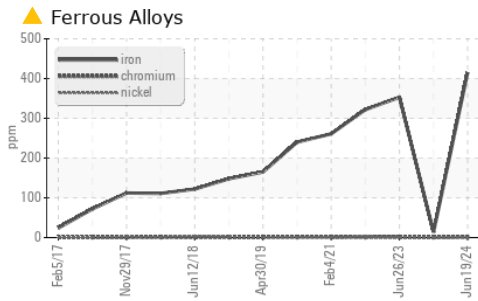
The condition of the fluid is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>ARI0008005</b>	ARI0004568	ARI0004557
Sample Date		Client Info		<b>19 Jun 2024</b>	25 Sep 2023	26 Jun 2023
Machine Age	mls	Client Info		<b>196503</b>	173608	168828
Oil Age	mls	Client Info		<b>0</b>	0	0
Filter Age	mls	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changed</b>	Not Changed	Changed
Filter Changed		Client Info		<b>Not Changed</b>	Not Changed	N/A
Sample Status				<b>ABNORMAL</b>	ATTENTION	ABNORMAL

Iron	ppm	ASTM D5185m	>160	<b>▲ 415</b>	14	<b>▲ 353</b>
Chromium	ppm	ASTM D5185m	>5	<b>2</b>	<1	1
Nickel	ppm	ASTM D5185m	>5	<b>&lt;1</b>	0	1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Silver	ppm	ASTM D5185m	>5	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>50	<b>▲ 62</b>	5	<b>▲ 57</b>
Lead	ppm	ASTM D5185m	>50	<b>14</b>	<1	10
Copper	ppm	ASTM D5185m	>225	<b>28</b>	<1	19
Tin	ppm	ASTM D5185m	>10	<b>4</b>	<1	2
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

Silicon	ppm	ASTM D5185m	>20	<b>13</b>	7	10
Potassium	ppm	ASTM D5185m	>20	<b>6</b>	3	2
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	NEG	NEG

Sodium	ppm	ASTM D5185m		<b>14</b>	2	11
Boron	ppm	ASTM D5185m	85	<b>39</b>	149	47
Barium	ppm	ASTM D5185m	0	<b>1</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>&lt;1</b>	<b>● 85</b>	1
Manganese	ppm	ASTM D5185m	0	<b>6</b>	<1	5
Magnesium	ppm	ASTM D5185m	1	<b>2</b>	<b>● 418</b>	1
Calcium	ppm	ASTM D5185m	100	<b>39</b>	<b>● 1405</b>	28
Phosphorus	ppm	ASTM D5185m	200	<b>214</b>	<b>● 1038</b>	218
Zinc	ppm	ASTM D5185m	0	<b>24</b>	<b>● 1310</b>	15
Sulfur	ppm	ASTM D5185m	1500	<b>303</b>	<b>● 3377</b>	295
Visc @ 40°C	cSt	ASTM D445	37.0	<b>35.3</b>	<b>● 102</b>	36.5



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : ARI0008005  
**Lab Number** : 06223922  
**Unique Number** : 11102119  
**Test Package** : CONST

**Received** : 28 Jun 2024  
**Tested** : 01 Jul 2024  
**Diagnosed** : 01 Jul 2024 - Angela Borella

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F:

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)