



PROBLEM SUMMARY

Sample Rating Trend

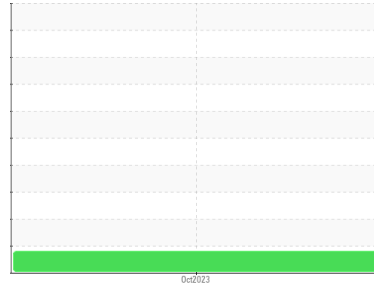
WEAR



Machine Id
KENWORTH 3173

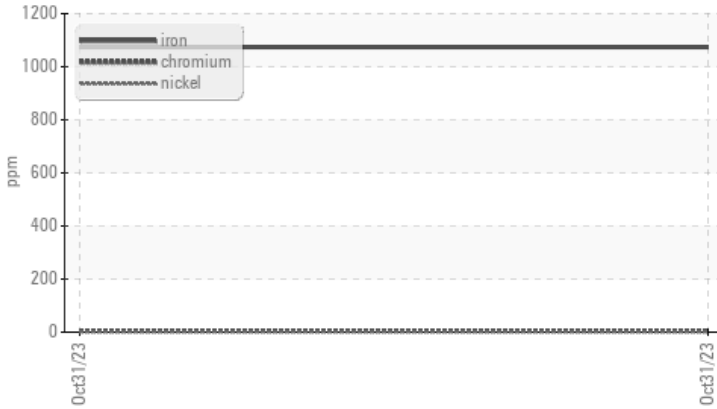
Component
Front Differential

Fluid
NOT GIVEN (--- QTS)



COMPONENT CONDITION SUMMARY

▲ Ferrous Alloys



RECOMMENDATION

No corrective action is recommended at this time.
Resample at the next service interval to monitor.
Please specify the brand, type, and viscosity of the oil on your next sample.

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	---	---
Iron	ppm	ASTM D5185m	>500	▲ 1074	---	---

Customer Id: LTILYN
Sample No.: WCMFB85557
Lab Number: 05996025
Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data:
Don Baldrige +1
don.b505@comcast.net

To change component or sample information:
Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Information Required	---	---	?	Please specify the brand, type, and viscosity of the oil on your next sample.

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend

WEAR



Machine Id
KENWORTH 3173

Component
Front Differential
Fluid
NOT GIVEN (--- QTS)



DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear

Gear wear is indicated. All other component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

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

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WCMFB85557	---	---
Sample Date	Client Info		31 Oct 2023	---	---
Machine Age	mls	Client Info	0	---	---
Oil Age	mls	Client Info	0	---	---
Oil Changed	Client Info		N/A	---	---
Sample Status			ABNORMAL	---	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >500	▲ 1074	---	---
Chromium	ppm	ASTM D5185m >10	5	---	---
Nickel	ppm	ASTM D5185m >10	2	---	---
Titanium	ppm	ASTM D5185m	0	---	---
Silver	ppm	ASTM D5185m	0	---	---
Aluminum	ppm	ASTM D5185m >25	<1	---	---
Lead	ppm	ASTM D5185m >25	0	---	---
Copper	ppm	ASTM D5185m >100	5	---	---
Tin	ppm	ASTM D5185m >10	0	---	---
Vanadium	ppm	ASTM D5185m	0	---	---
Cadmium	ppm	ASTM D5185m	<1	---	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	263	---	---
Barium	ppm	ASTM D5185m	2	---	---
Molybdenum	ppm	ASTM D5185m	2	---	---
Manganese	ppm	ASTM D5185m	26	---	---
Magnesium	ppm	ASTM D5185m	1	---	---
Calcium	ppm	ASTM D5185m	7	---	---
Phosphorus	ppm	ASTM D5185m	1538	---	---
Zinc	ppm	ASTM D5185m	10	---	---
Sulfur	ppm	ASTM D5185m	30125	---	---

CONTAMINANTS

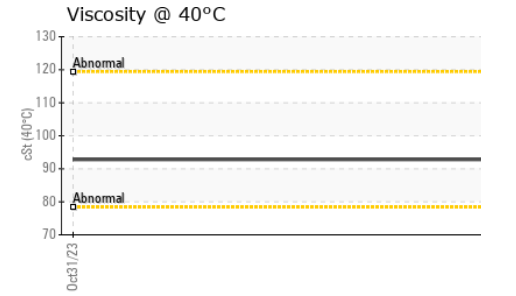
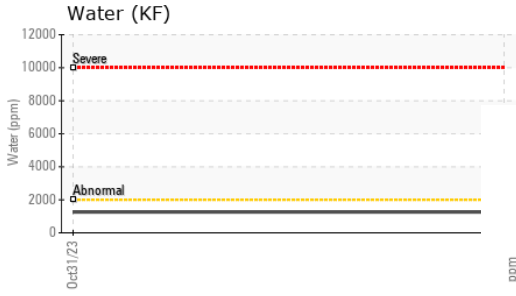
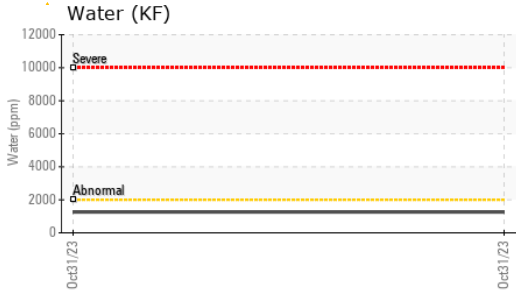
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >75	29	---	---
Sodium	ppm	ASTM D5185m	2	---	---
Potassium	ppm	ASTM D5185m >20	2	---	---
Water	%	ASTM D6304 >.2	0.126	---	---
ppm Water	ppm	ASTM D6304 >2000	1260	---	---

VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	NONE	---	---
Yellow Metal	scalar	*Visual NONE	NONE	---	---
Precipitate	scalar	*Visual NONE	NONE	---	---
Silt	scalar	*Visual NONE	NONE	---	---
Debris	scalar	*Visual NONE	NONE	---	---
Sand/Dirt	scalar	*Visual NONE	NONE	---	---
Appearance	scalar	*Visual NORML	NORML	---	---
Odor	scalar	*Visual NORML	NORML	---	---
Emulsified Water	scalar	*Visual >.2	0.2%	---	---
Free Water	scalar	*Visual	NEG	---	---



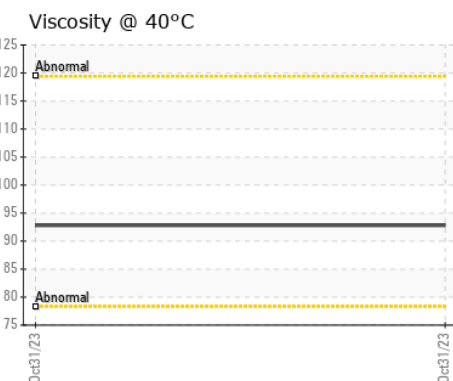
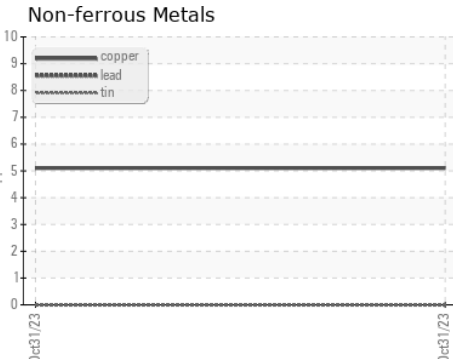
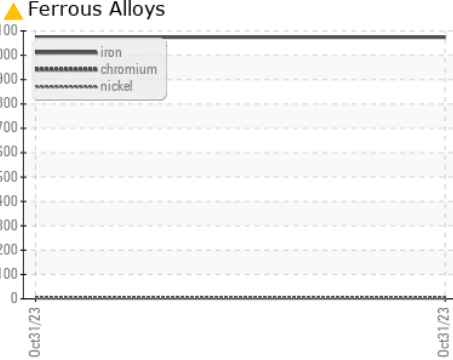
OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		92.8	---	---

SAMPLE IMAGES		method	limit/base	current	history1	history2
Color				no image	no image	no image
Bottom				no image	no image	no image

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WCMFB85557 **Received** : 01 Nov 2023
Lab Number : 05996025 **Diagnosed** : 03 Nov 2023
Unique Number : 10724385 **Diagnostician** : Don Baldrige
Test Package : FLEET (Additional Tests: KF)

LTI/MILKY WAY - MOUNT VERNON
 3814 OLD HWY 99 S RD
 MOUNT VERNON, WA
 US 98273
 Contact: JOHN VAN WINGERDEN
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 T: (360)354-2101
 F: (360)354-3571

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)