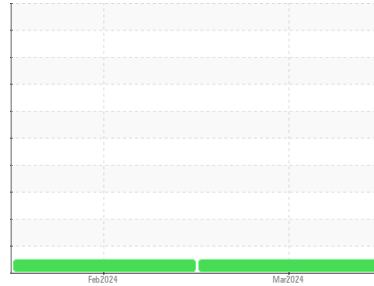


# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**LONGVIEW**  
Machine Id  
**GEFCO 868-2**  
Component  
**Left Transmission**  
Fluid  
**TULCO LUBSOIL TO-4 30 (30 GAL)**

**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 fluid.

**Fluid Condition**

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

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>TO10003500</b>	TO50002072	---
Sample Date	Client Info			<b>15 Mar 2024</b>	17 Feb 2024	---
Machine Age	hrs	Client Info		<b>13494</b>	13036	---
Oil Age	hrs	Client Info		<b>1235</b>	777	---
Oil Changed	Client Info			<b>Changed</b>	Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>0.1	<b>NEG</b>	NEG	---

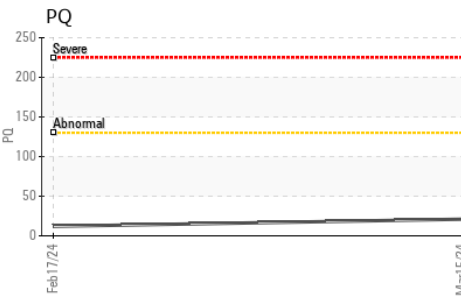
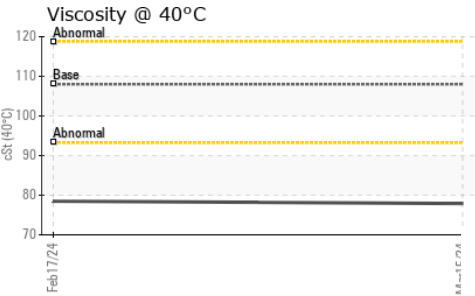
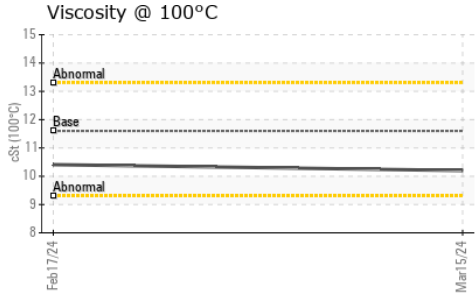
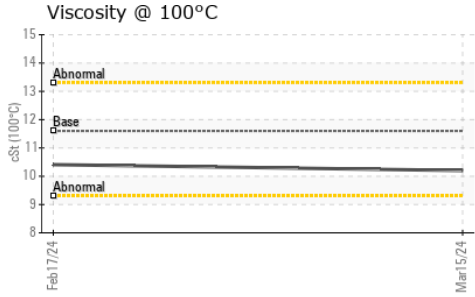
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184	>130	<b>21</b>	12	---
Iron	ppm	ASTM D5185m	>250	<b>2</b>	5	---
Chromium	ppm	ASTM D5185m	>2	<b>0</b>	<1	---
Nickel	ppm	ASTM D5185m	>2	<b>0</b>	<1	---
Titanium	ppm	ASTM D5185m	>2	<b>0</b>	<1	---
Silver	ppm	ASTM D5185m		<b>12</b>	20	---
Aluminum	ppm	ASTM D5185m	>55	<b>&lt;1</b>	2	---
Lead	ppm	ASTM D5185m	>65	<b>2</b>	3	---
Copper	ppm	ASTM D5185m	>230	<b>12</b>	20	---
Tin	ppm	ASTM D5185m	>6	<b>0</b>	<1	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	---
Cadmium	ppm	ASTM D5185m		<b>0</b>	<1	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>5</b>	11	---
Barium	ppm	ASTM D5185m		<b>0</b>	6	---
Molybdenum	ppm	ASTM D5185m		<b>210</b>	330	---
Manganese	ppm	ASTM D5185m		<b>0</b>	<1	---
Magnesium	ppm	ASTM D5185m	9	<b>11</b>	16	---
Calcium	ppm	ASTM D5185m	4500	<b>2618</b>	3849	---
Phosphorus	ppm	ASTM D5185m	1150	<b>899</b>	1236	---
Zinc	ppm	ASTM D5185m	1250	<b>1061</b>	1558	---
Sulfur	ppm	ASTM D5185m	4500	<b>6840</b>	9845	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	<b>8</b>	15	---
Sodium	ppm	ASTM D5185m		<b>3</b>	2	---
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	2	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.28	<b>1.36</b>	1.66	---

# OIL ANALYSIS REPORT

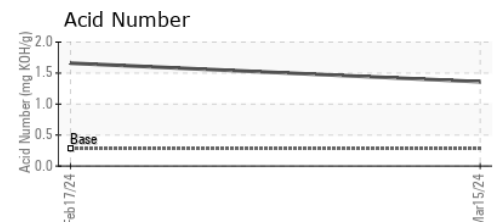
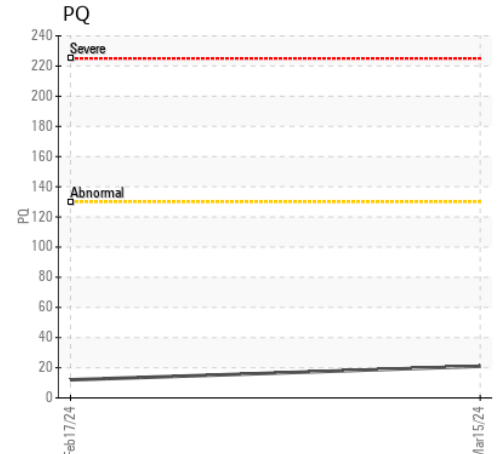
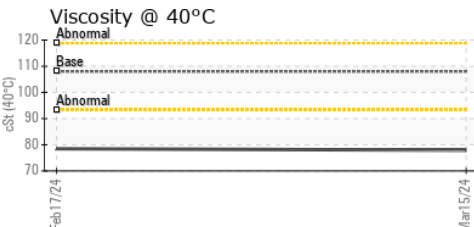
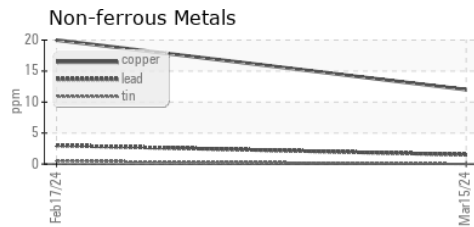
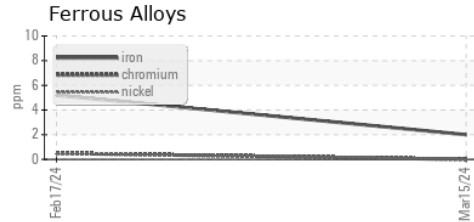


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.1	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	108	77.9	78.5
Visc @ 100°C	cSt	ASTM D445	11.6	10.2	10.41
Viscosity Index (VI)	Scale	ASTM D2270	94	113	116

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

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : TO10003500 **Received** : 20 Mar 2024  
**Lab Number** : 06124394 **Tested** : 27 Mar 2024  
**Unique Number** : 10938545 **Diagnosed** : 27 Mar 2024 - Jonathan Hester  
**Test Package** : IND 2 ( Additional Tests: KV100, PQ, VI )

**KLX ENERGY SERVICES**  
 5104 ESTES PKWY  
 LONGVIEW, TX  
 US 75603  
 Contact: DUSTIN TREST  
 dustin.trest@klx.com

Certificate L2367  
 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)