

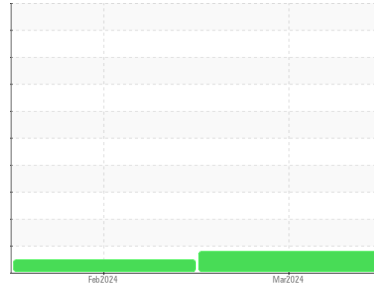
OIL ANALYSIS REPORT

Sample Rating Trend

WEAR



Area
LONGVIEW
Machine Id
GEFCO 868-2
Component
Left Pump Drive
Fluid
TULCO LUBSOIL 4220 SYN GEAR 220 (120 GAL)



DIAGNOSIS

Recommendation
No corrective action is recommended at this time. We recommend an early resample to monitor this condition. Please note that this is a corrected copy for diagnostic comment updates about wear.

Wear
Gear wear is indicated.

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		TO50002076	TO50002071	---
Sample Date	Client Info		13 Mar 2024	17 Feb 2024	---
Machine Age	hrs	Client Info	13494	13036	---
Oil Age	hrs	Client Info	1235	0	---
Oil Changed	Client Info		Not Chngd	Not Chngd	---
Sample Status			ABNORMAL	NORMAL	---

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

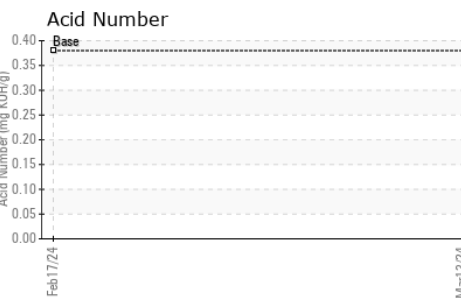
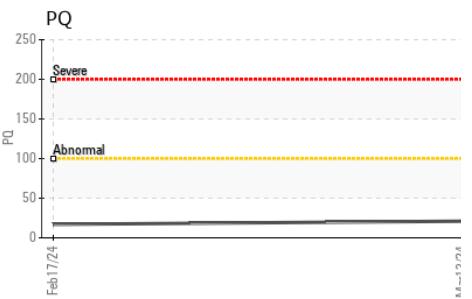
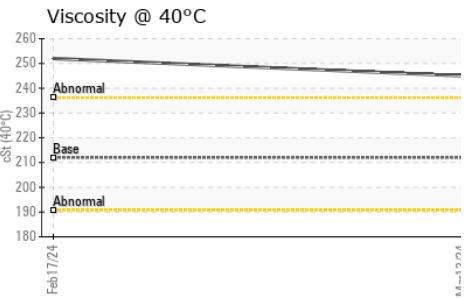
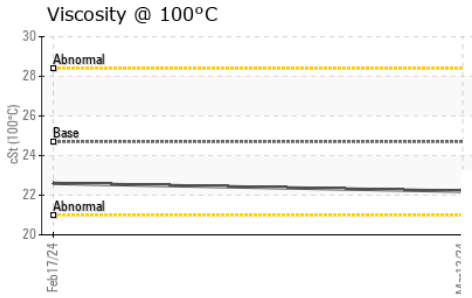
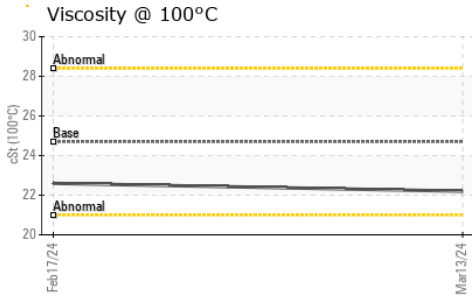
WEAR METALS	method	limit/base	current	history1	history2
PQ	ASTM D8184		21	17	---
Iron	ppm	ASTM D5185m >150	▲ 252	242	---
Chromium	ppm	ASTM D5185m >10	<1	1	---
Nickel	ppm	ASTM D5185m >10	2	2	---
Titanium	ppm	ASTM D5185m	0	<1	---
Silver	ppm	ASTM D5185m	0	<1	---
Aluminum	ppm	ASTM D5185m >25	6	8	---
Lead	ppm	ASTM D5185m >100	0	<1	---
Copper	ppm	ASTM D5185m >50	5	6	---
Tin	ppm	ASTM D5185m >10	1	2	---
Vanadium	ppm	ASTM D5185m	0	<1	---
Cadmium	ppm	ASTM D5185m	0	<1	---

ADDITIVES	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<1	2	---
Barium	ppm	ASTM D5185m	2	8	---
Molybdenum	ppm	ASTM D5185m	578	583	---
Manganese	ppm	ASTM D5185m	2	3	---
Magnesium	ppm	ASTM D5185m	0	1	---
Calcium	ppm	ASTM D5185m	92	104	---
Phosphorus	ppm	ASTM D5185m 230	830	773	---
Zinc	ppm	ASTM D5185m	44	53	---
Sulfur	ppm	ASTM D5185m 2530	27950	26565	---

CONTAMINANTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	13	16	---
Sodium	ppm	ASTM D5185m	14	13	---
Potassium	ppm	ASTM D5185m >20	0	4	---

VISUAL	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 >0.1	NEG	NEG	---
Free Water	scalar	*Visual	NEG	---	---

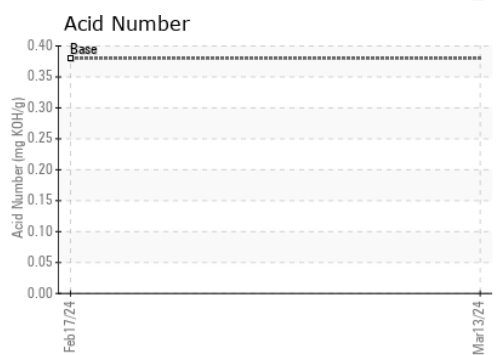
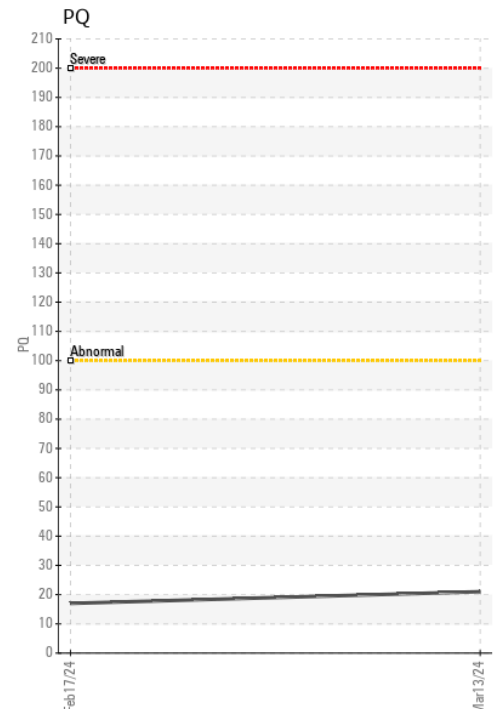
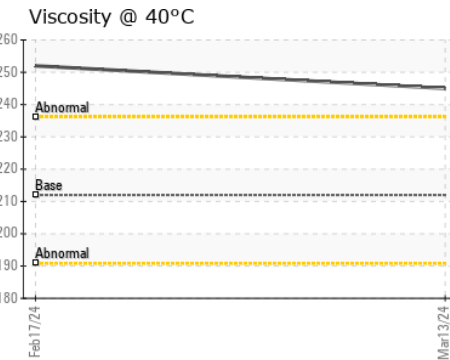
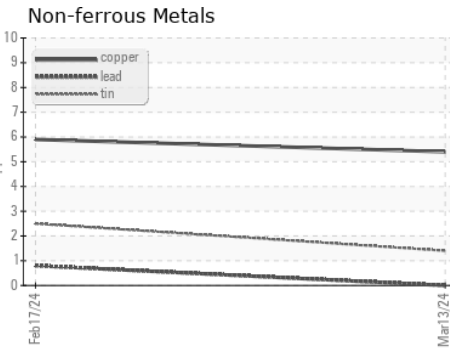
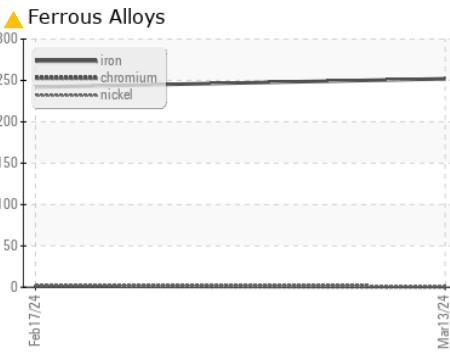
OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 212	245	252	---
Visc @ 100°C	cSt	ASTM D445 24.7	22.2	22.6	---
Viscosity Index (VI)	Scale	ASTM D2270 146	109	109	---

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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TO50002076 **Received** : 20 Mar 2024
Lab Number : **06124397** **Tested** : 25 Mar 2024
Unique Number : 10938548 **Diagnosed** : 27 Mar 2024 - Jonathan Hester
Test Package : IND 2 (Additional Tests: KV100, PQ, VI)

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)

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

T:
F: