

OIL ANALYSIS REPORT

Sample Rating Trend

WEAR



Area
LONGVIEW
Machine Id
GEFCO 868-2
Component
Right 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.

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	TO50002073	---	---
Sample Date	Client Info	17 Feb 2024	---	---
Machine Age	hrs Client Info	13736	---	---
Oil Age	hrs Client Info	0	---	---
Oil Changed	Client Info	Not Chngd	---	---
Sample Status		ABNORMAL	---	---

CONTAMINATION

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

WEAR METALS

method	limit/base	current	history1	history2
PQ	ASTM D8184	17	---	---
Iron	ppm ASTM D5185m >150	▲ 263	---	---
Chromium	ppm ASTM D5185m >10	1	---	---
Nickel	ppm ASTM D5185m >10	2	---	---
Titanium	ppm ASTM D5185m	<1	---	---
Silver	ppm ASTM D5185m	<1	---	---
Aluminum	ppm ASTM D5185m >25	12	---	---
Lead	ppm ASTM D5185m >100	<1	---	---
Copper	ppm ASTM D5185m >50	5	---	---
Tin	ppm ASTM D5185m >10	2	---	---
Vanadium	ppm ASTM D5185m	<1	---	---
Cadmium	ppm ASTM D5185m	<1	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	1	---	---
Barium	ppm ASTM D5185m	7	---	---
Molybdenum	ppm ASTM D5185m	390	---	---
Manganese	ppm ASTM D5185m	3	---	---
Magnesium	ppm ASTM D5185m	<1	---	---
Calcium	ppm ASTM D5185m	15	---	---
Phosphorus	ppm ASTM D5185m 230	774	---	---
Zinc	ppm ASTM D5185m	40	---	---
Sulfur	ppm ASTM D5185m 2530	28925	---	---

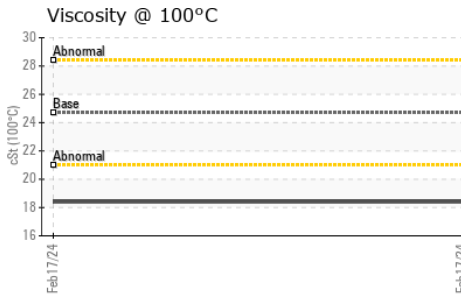
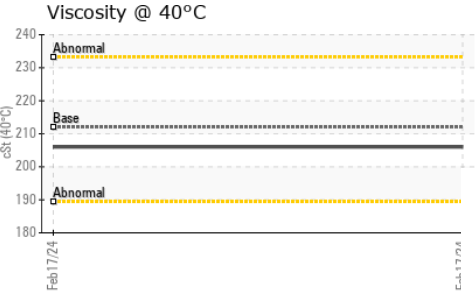
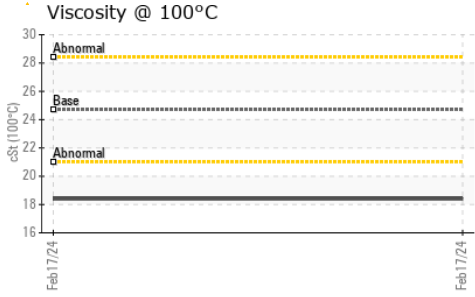
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >50	9	---	---
Sodium	ppm ASTM D5185m	2	---	---
Potassium	ppm ASTM D5185m >20	2	---	---

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	---	---

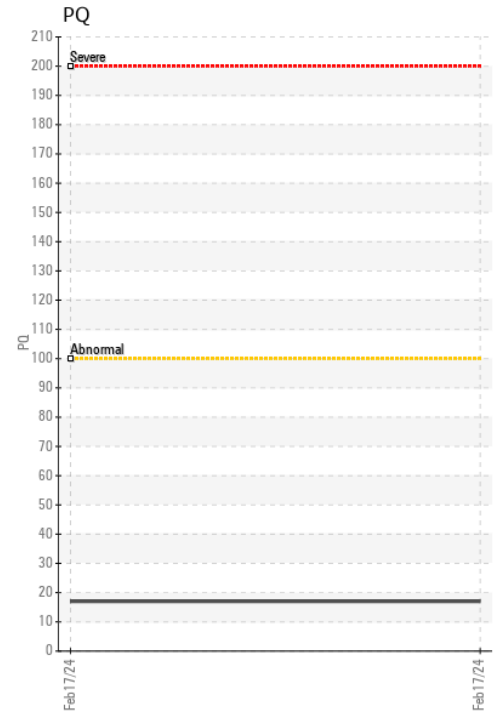
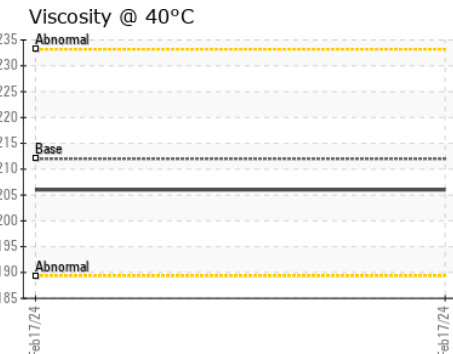
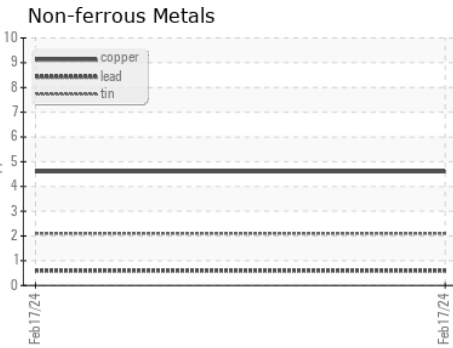
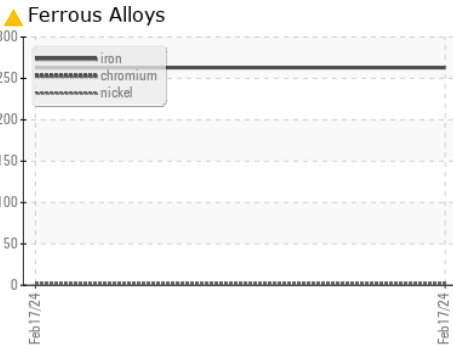
OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 212	206	---	---
Visc @ 100°C	cSt	ASTM D445 24.7	18.4	---	---
Viscosity Index (VI)	Scale	ASTM D2270 146	98	---	---

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. : TO50002073 **Received** : 22 Feb 2024
Lab Number : **06097997** **Tested** : 26 Feb 2024
Unique Number : 10896227 **Diagnosed** : 26 Feb 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

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)

T:
F: