

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
LONGVIEW
Machine Id
GEFCO 868-2
Component
Left Diesel Engine
Fluid
TULCO LUBSOIL CK-4 15W40 (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 oil.

Fluid Condition
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		TO50002123	---	---
Sample Date	Client Info		17 Feb 2024	---	---
Machine Age	hrs Client Info		13036	---	---
Oil Age	hrs Client Info		777	---	---
Oil Changed	Client Info		Changed	---	---
Sample Status			NORMAL	---	---

CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method	>5	<1.0	---	---
Water	WC Method	>0.2	NEG	---	---
Glycol	WC Method		NEG	---	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m	>100	11	---	---
Chromium	ppm ASTM D5185m	>20	<1	---	---
Nickel	ppm ASTM D5185m	>4	<1	---	---
Titanium	ppm ASTM D5185m		<1	---	---
Silver	ppm ASTM D5185m	>3	<1	---	---
Aluminum	ppm ASTM D5185m	>20	2	---	---
Lead	ppm ASTM D5185m	>40	3	---	---
Copper	ppm ASTM D5185m	>330	16	---	---
Tin	ppm ASTM D5185m	>15	2	---	---
Vanadium	ppm ASTM D5185m		<1	---	---
Cadmium	ppm ASTM D5185m		<1	---	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m		28	---	---
Barium	ppm ASTM D5185m		5	---	---
Molybdenum	ppm ASTM D5185m	65	112	---	---
Manganese	ppm ASTM D5185m		<1	---	---
Magnesium	ppm ASTM D5185m	1060	1084	---	---
Calcium	ppm ASTM D5185m	1140	2271	---	---
Phosphorus	ppm ASTM D5185m	1170	1585	---	---
Zinc	ppm ASTM D5185m	1230	2021	---	---
Sulfur	ppm ASTM D5185m	3130	6393	---	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m	>25	8	---	---
Sodium	ppm ASTM D5185m		<1	---	---
Potassium	ppm ASTM D5185m	>20	2	---	---

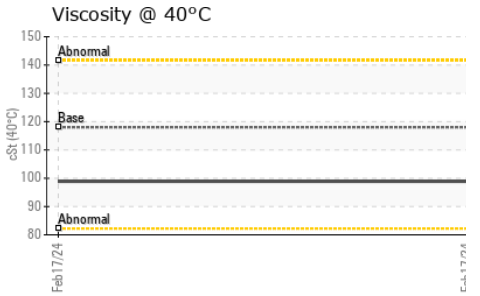
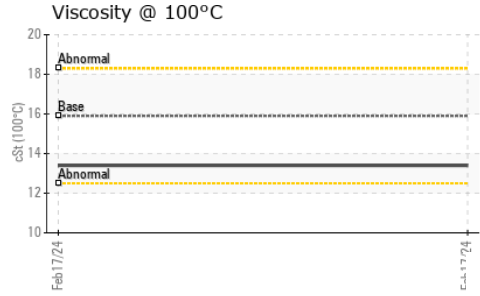
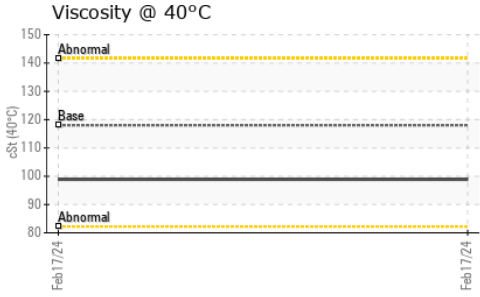
INFRA-RED

	method	limit/base	current	history1	history2
Soot %	% *ASTM D7844	>3	0.1	---	---
Nitration	Abs/cm *ASTM D7624	>20	8.2	---	---
Sulfation	Abs/.1mm *ASTM D7415	>30	19.7	---	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm *ASTM D7414	>25	15.8	---	---
Base Number (BN)	mg KOH/g ASTM D2896	10.8	10.59	---	---

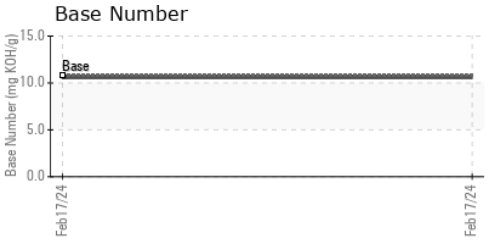
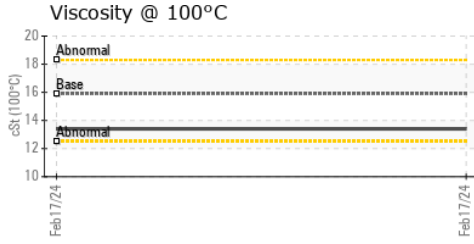
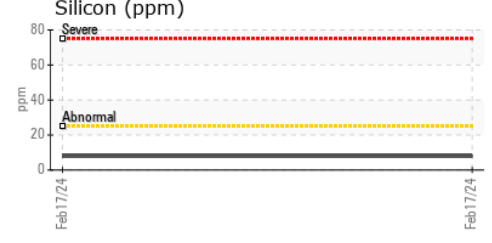
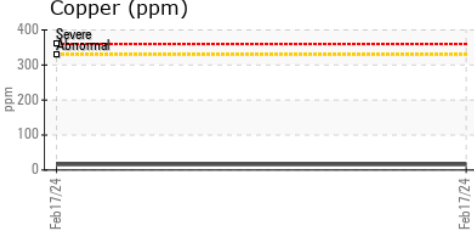
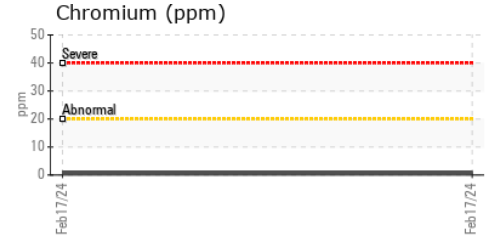
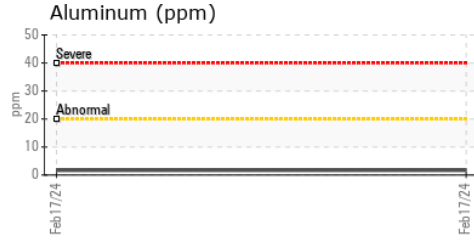
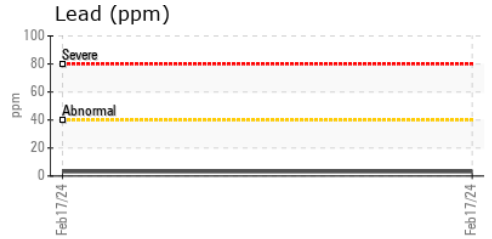
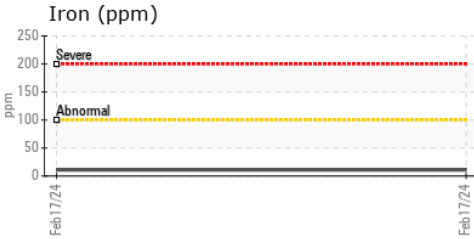
OIL ANALYSIS REPORT



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	>0.2	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	118	98.9	---
Visc @ 100°C	cSt	ASTM D445	15.9	13.4	---
Viscosity Index (VI)	Scale	ASTM D2270	143	134	---

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TO50002123 **Received** : 22 Feb 2024
Lab Number : 06097905 **Tested** : 23 Feb 2024
Unique Number : 10896135 **Diagnosed** : 23 Feb 2024 - Wes Davis
Test Package : MOB 2 (Additional Tests: KV40, 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)

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F: