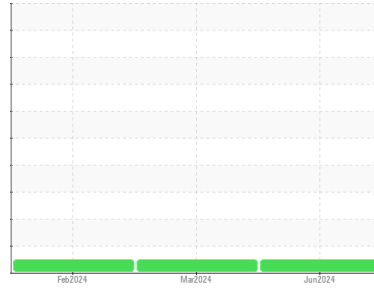




OIL ANALYSIS REPORT

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 oil.

Fluid Condition

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

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			TO10003554	TO10003500	TO50002072
Sample Date	Client Info			07 Jun 2024	15 Mar 2024	17 Feb 2024
Machine Age	hrs	Client Info		14258	13494	13036
Oil Age	hrs	Client Info		764	1235	777
Oil Changed	Client Info			Not Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

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

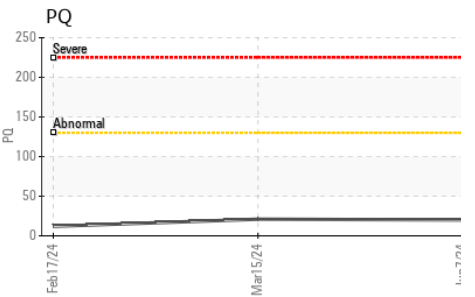
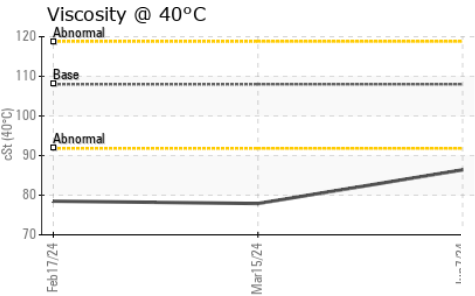
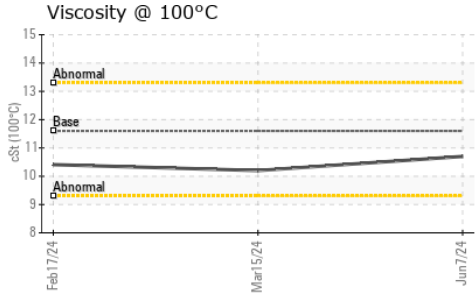
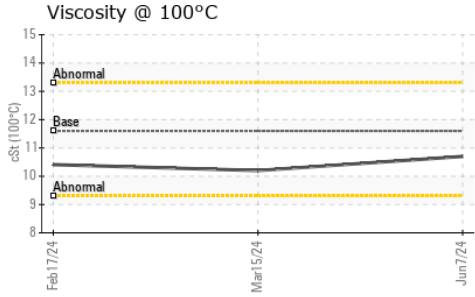
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184	>130	20	21	12
Iron	ppm	ASTM D5185m	>250	7	2	5
Chromium	ppm	ASTM D5185m	>2	0	0	<1
Nickel	ppm	ASTM D5185m	>2	0	0	<1
Titanium	ppm	ASTM D5185m	>2	0	0	<1
Silver	ppm	ASTM D5185m		10	12	20
Aluminum	ppm	ASTM D5185m	>55	2	<1	2
Lead	ppm	ASTM D5185m	>65	2	2	3
Copper	ppm	ASTM D5185m	>230	11	12	20
Tin	ppm	ASTM D5185m	>6	0	0	<1
Vanadium	ppm	ASTM D5185m		<1	0	<1
Cadmium	ppm	ASTM D5185m		0	0	<1

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		3	5	11
Barium	ppm	ASTM D5185m		<1	0	6
Molybdenum	ppm	ASTM D5185m		175	210	330
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m	9	11	11	16
Calcium	ppm	ASTM D5185m	4500	3030	2618	3849
Phosphorus	ppm	ASTM D5185m	1150	972	899	1236
Zinc	ppm	ASTM D5185m	1250	1151	1061	1558
Sulfur	ppm	ASTM D5185m	4500	6996	6840	9845

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	8	8	15
Sodium	ppm	ASTM D5185m		4	3	2
Potassium	ppm	ASTM D5185m	>20	<1	0	2

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.28	1.606	1.36	1.66

OIL ANALYSIS REPORT

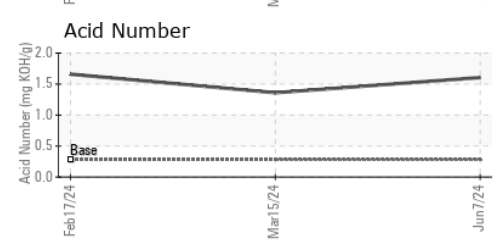
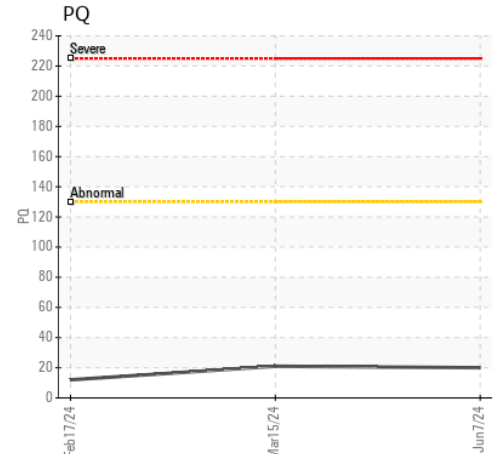
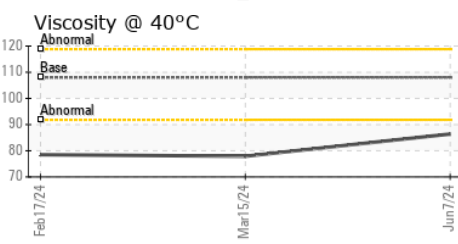
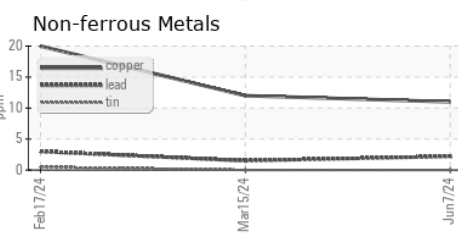
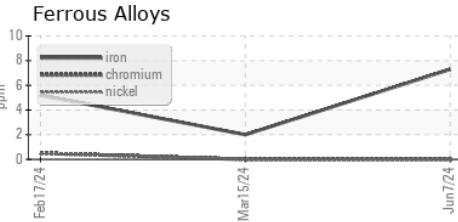


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	108	86.4	77.9	78.5
Visc @ 100°C	cSt	ASTM D445	11.6	10.7	10.2	10.41
Viscosity Index (VI)	Scale	ASTM D2270	94	107	113	116

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TO10003554 **Received** : 12 Jun 2024
Lab Number : 06207974 **Tested** : 19 Jun 2024
Unique Number : 11075435 **Diagnosed** : 19 Jun 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)